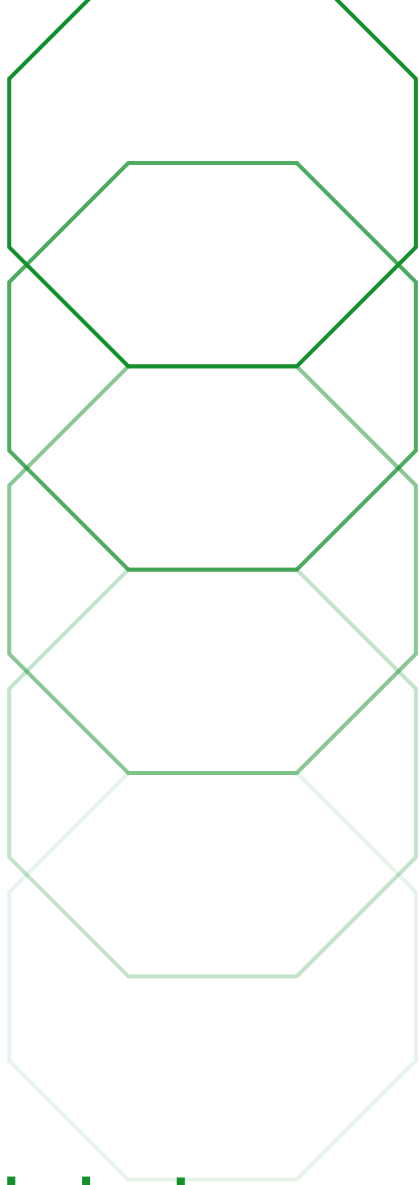


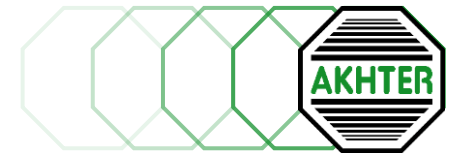




Akhter
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Tel: 01279 821200 - Email: Sales@akhter.co.uk - www.akhter.co.uk

TEMPEST FILTER



Pluggable 1 Socket 6A

Silicon CPV's 1 socket, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

6A BS1363 3 pin plug input & 1 x BS1363 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

6A designed filters are tolerable for personnel protection RCCD

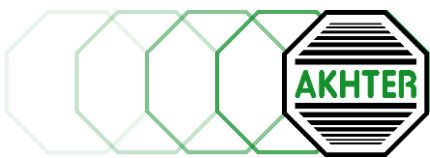
UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER



Pluggable 1 Socket 6A

Part Number

SCPVTEMPEST6A1S

CP&F Part No: **SCPVTEMPEST6A1S**

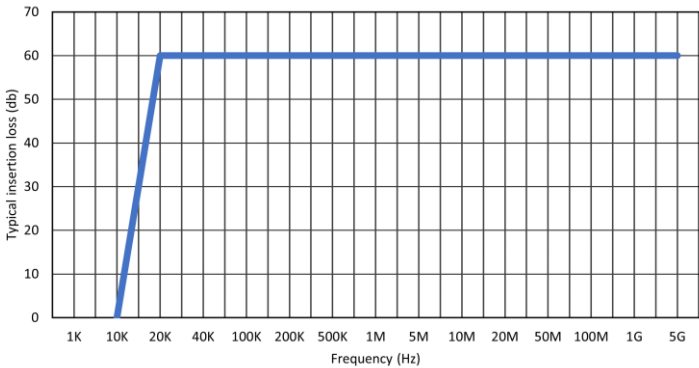
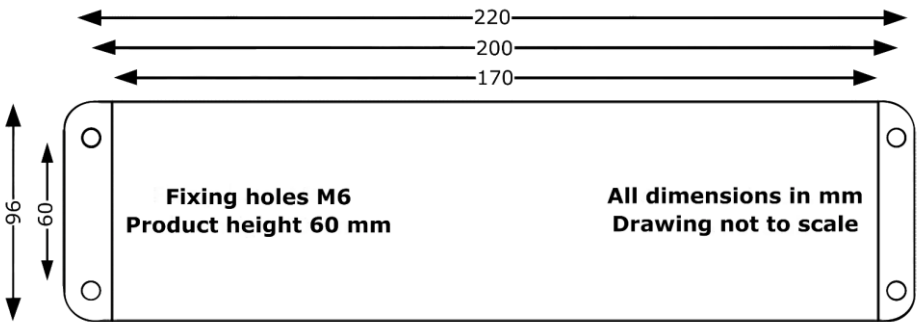
Product Description

1 x BS1363 Sockets, Maximum 6A Single Phase

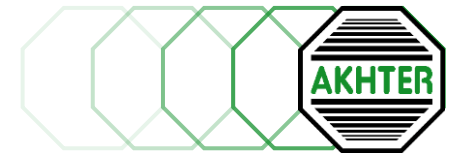
230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	6A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 2 Socket 6A

Silicon CPV's 2 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

6A BS1363 3 pin plug input & 2 x BS1363 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

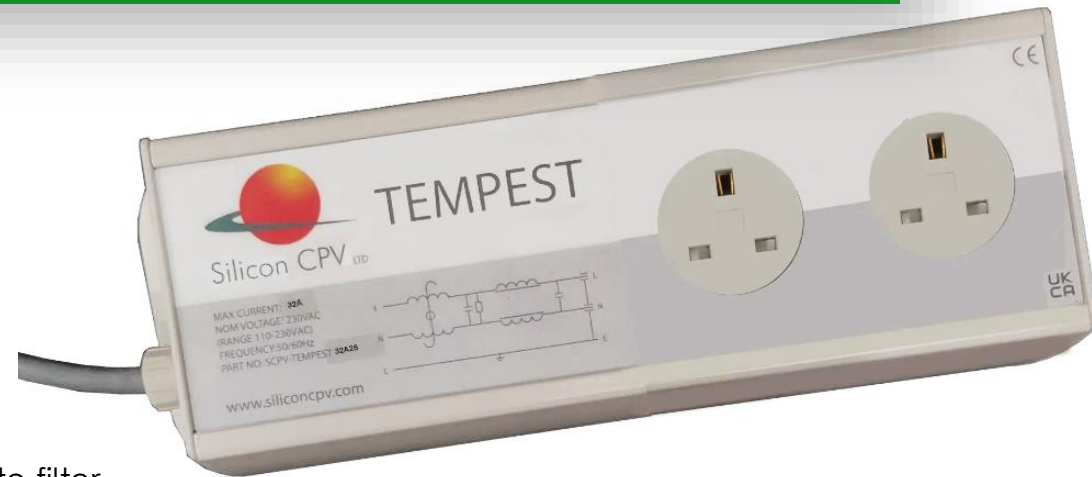
Powder coated aluminium enclosure

6A designed filters are tolerable for personnel protection RCCD

UKCA - CE compliant - Input voltage range (90-275VAC)

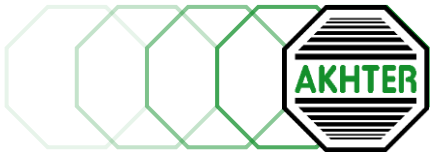
Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER

Pluggable 2 Socket 6A



Part Number

SCPVTEMPEST6A2S

CP&F Part No: **SCPVTEMPEST6A2S**

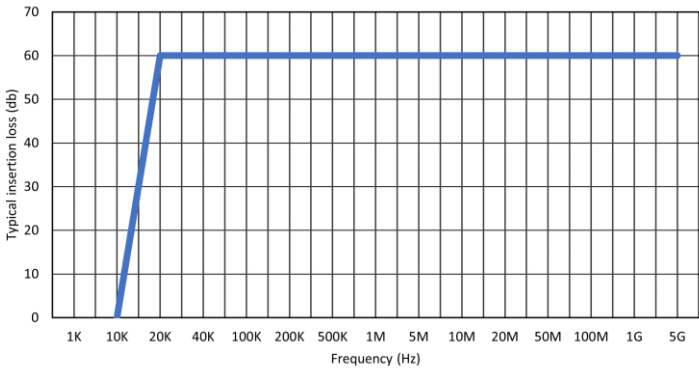
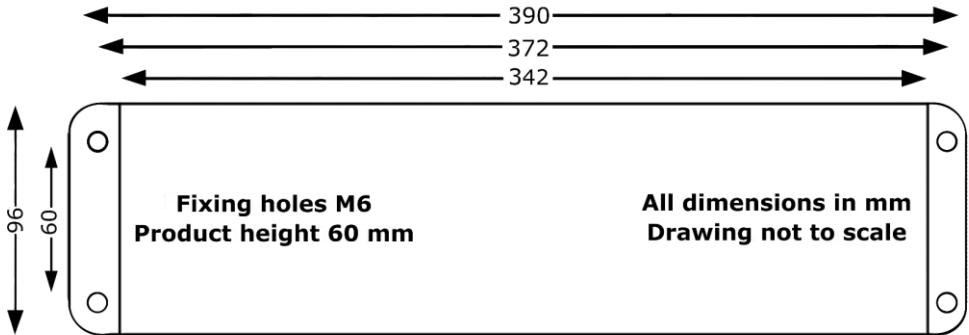
Product Description

2 x BS1363 Sockets, Maximum 6A Single Phase

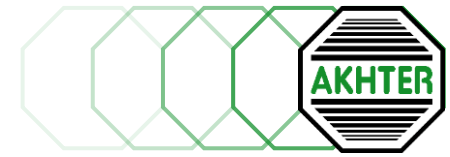
230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	6A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 1 Socket 10A (Australian)

Silicon CPV's 1 socket, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

10A 3 Pin IP20 Australian plug input & 1 x Australian round cover, 10A, 250V, IP44 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

10A designed filters are tolerable for personnel protection RCCD

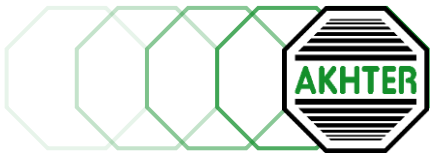
UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER

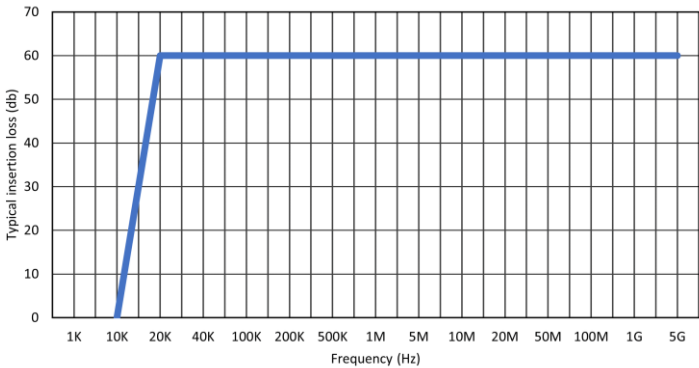
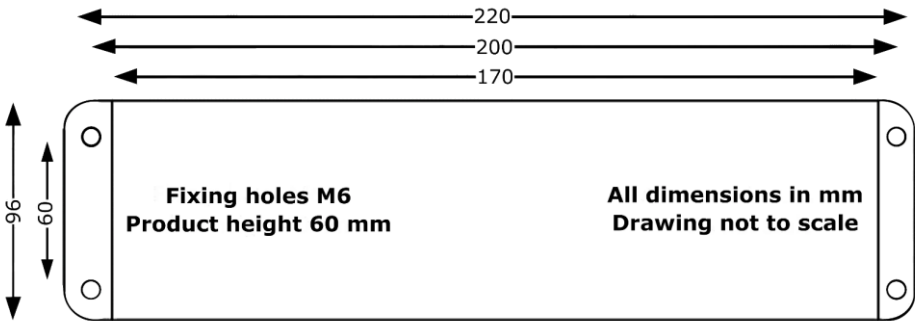


Pluggable 1 Socket 10A (Australian)

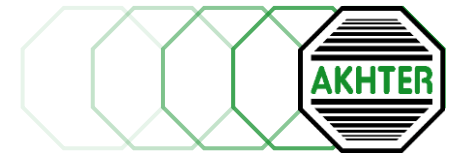
Part Number	Product Description
SCPVTEMPEST10A1SAU	1 x Australian Sockets, Maximum 10A Single Phase
CP&F Part No: SCPVTEMPEST10A1SAU	230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	10A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 2 Socket 10A (Australian)

Silicon CPV's 2 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

10A 3 Pin IP20 Australian plug input & 2 x Australian round cover, 10A, 250V, IP44 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

10A designed filters are tolerable for personnel protection RCCD

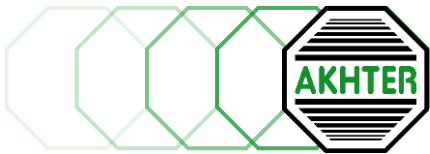
UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER



Pluggable 2 Socket 10A (Australian)

Part Number

SCPVTEMPEST10A2SAU

CP&F Part No: **SCPVTEMPEST10A2SAU**

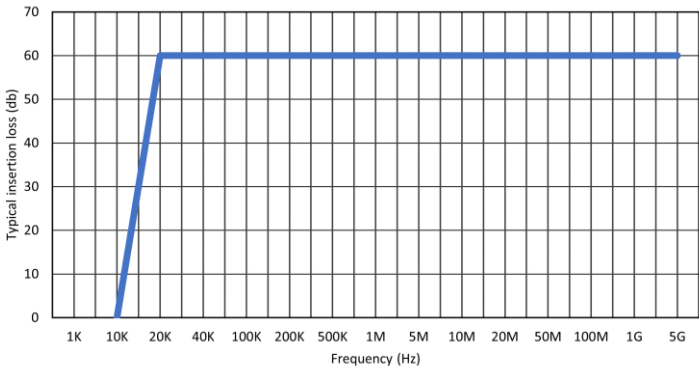
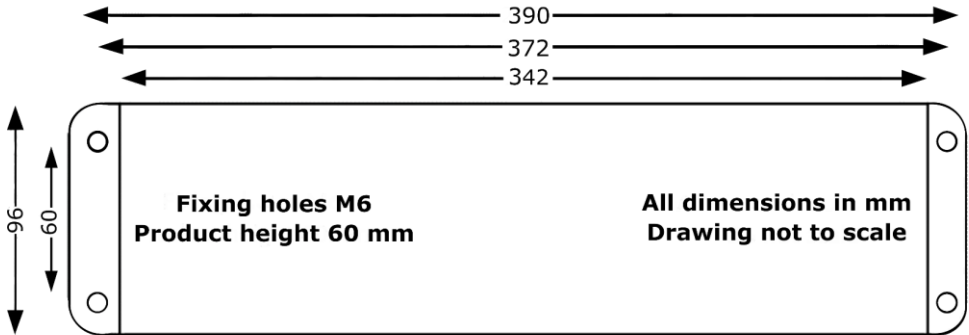
Product Description

2 x Australian Sockets, Maximum 10A Single Phase

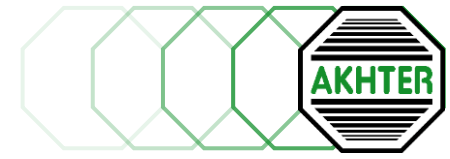
230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	10A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 4 Socket 10A (Australian)

Silicon CPV's 4 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

10A 3 Pin IP20 Australian plug input & 4 x Australian round cover, 10A, 250V, IP44 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

10A designed filters are tolerable for personnel protection RCCD

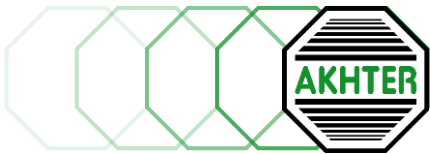
UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER



Pluggable 4 Socket 10A (Australian)

Part Number

SCPVTEMPEST10A4SAU

CP&F Part No: **SCPVTEMPEST10A4SAU**

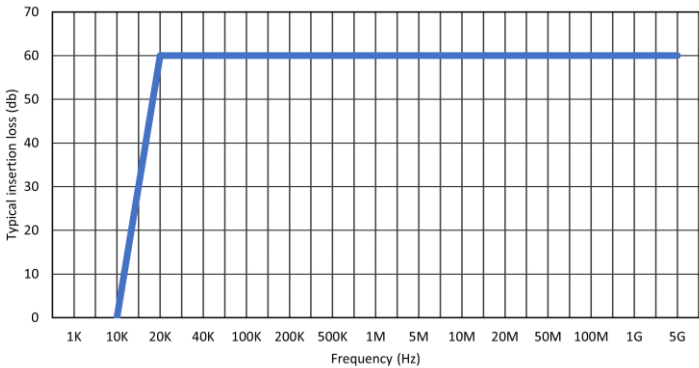
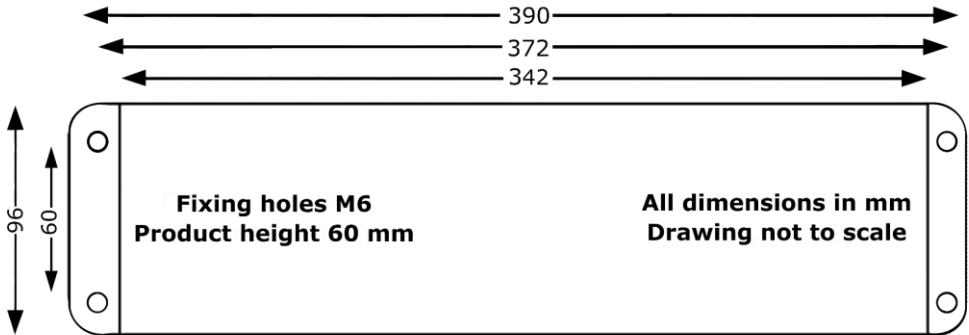
Product Description

4 x Australian Sockets, Maximum 10A Single Phase

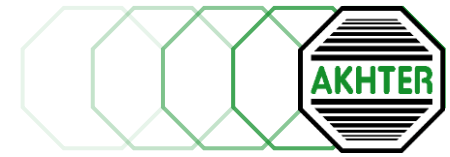
230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	10A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 6 Socket 10A (Australian)

Silicon CPV's 6 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

10A 3 Pin IP20 Australian plug input & 6 x Australian round cover, 10A, 250V, IP44 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

10A designed filters are tolerable for personnel protection RCCD

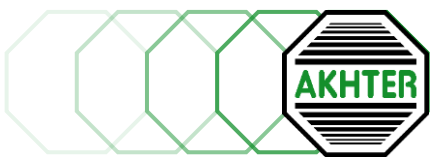
UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER

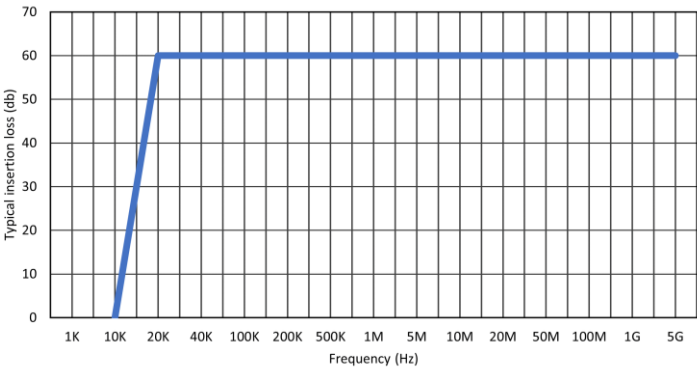
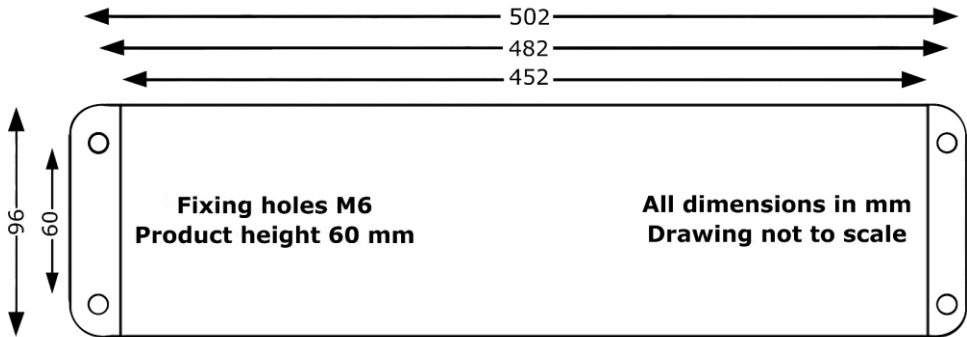


Pluggable 6 Socket 10A (Australian)

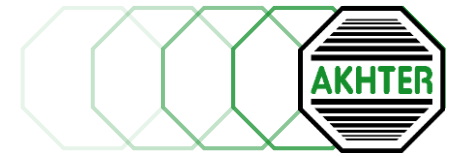
Part Number	Product Description
SCPVTEMPEST10A6SAU	6 x Australian Sockets, Maximum 10A Single Phase
CP&F Part No: SCPVTEMPEST10A6SAU	230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	10A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 1 Socket 13A

Silicon CPV's 1 socket, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

13A BS1363 3 pin plug input & 1 x BS1363 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

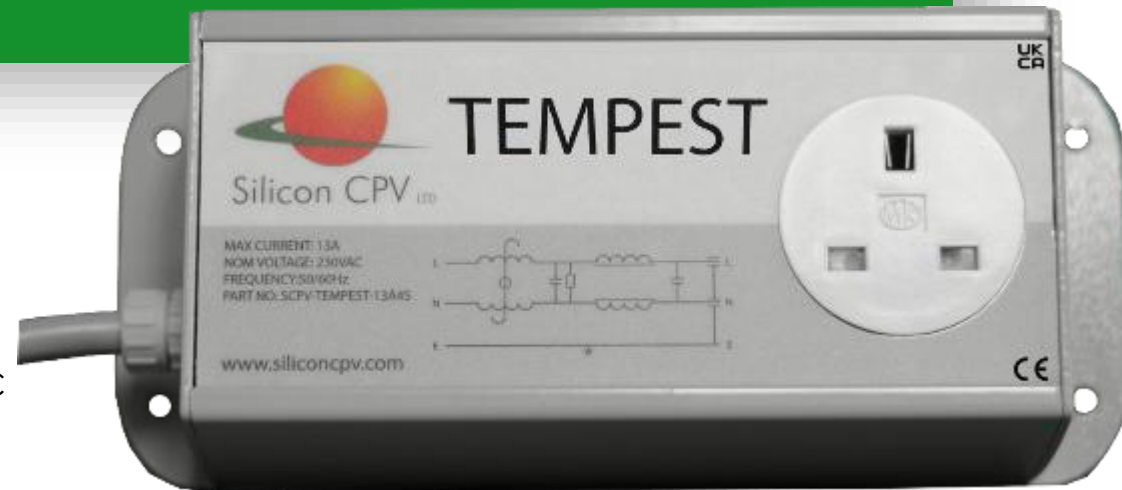
Powder coated aluminium enclosure

13A designed filters are tolerable for personnel protection RCCD

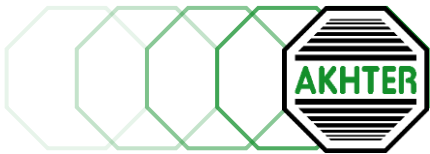
UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER

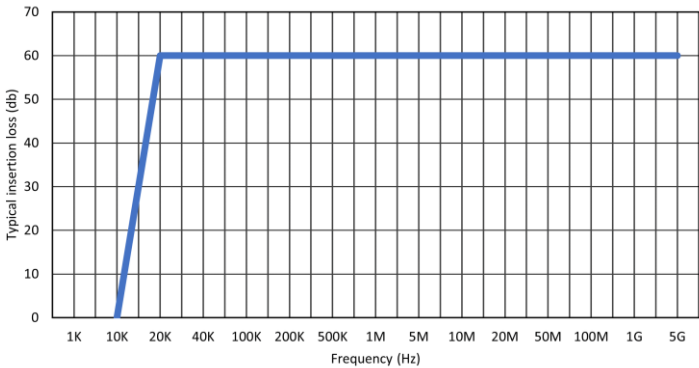
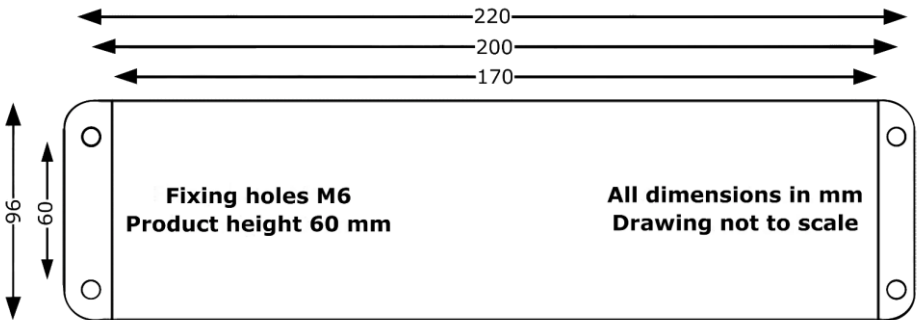


Pluggable 1 Socket 13A

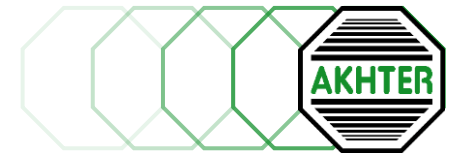
Part Number	Product Description
SCPVTEMPEST13A1S	1 x BS1363 Sockets, Maximum 13A Single Phase
CP&F Part No: SCPVTEMPEST13A1S	230V Pluggable Tempest Filter
NATO No: 5915-99-358-6375	

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	13A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 2 Socket 13A

Silicon CPV's 2 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

13A BS1363 3 pin plug input & 2 x BS1363 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

13A designed filters are tolerable for personnel protection RCCD

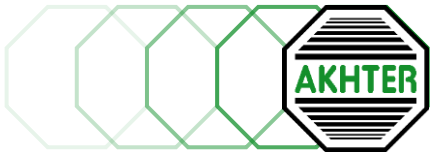
UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER

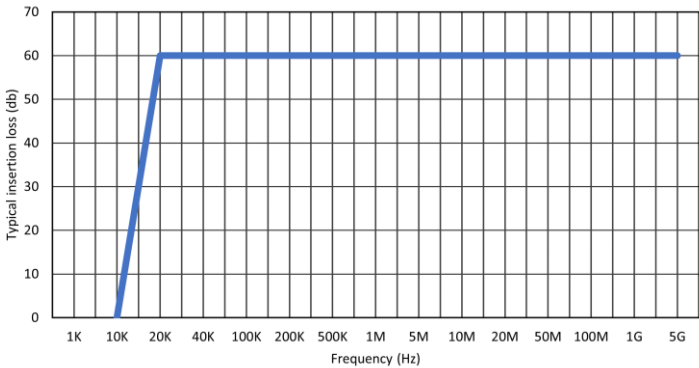
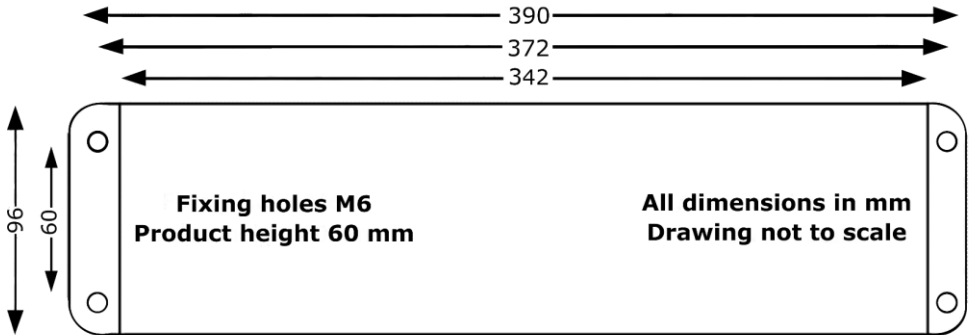


Pluggable 2 Socket 13A

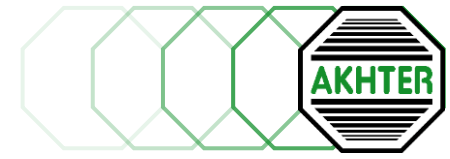
Part Number	Product Description
SCPVTEMPEST13A2S	2 x BS1363 Sockets, Maximum 13A Single Phase
CP&F Part No: SCPVTEMPEST13A2S	230V Pluggable Tempest Filter
NATO No: 5915-99-217-3439	

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	13A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 4 Socket 13A

Silicon CPV's 4 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

13A BS1363 3 pin plug input & 4 x BS1363 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

13A designed filters are tolerable for personnel protection RCCD

UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

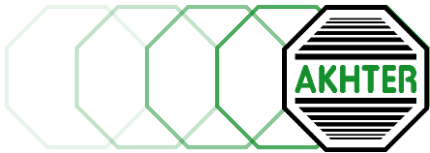
Filters comply with basic requirements of the EMC directive 2014/30/EU

Available up to 32A, with different sockets connections and additionally number of sockets



TEMPEST FILTER

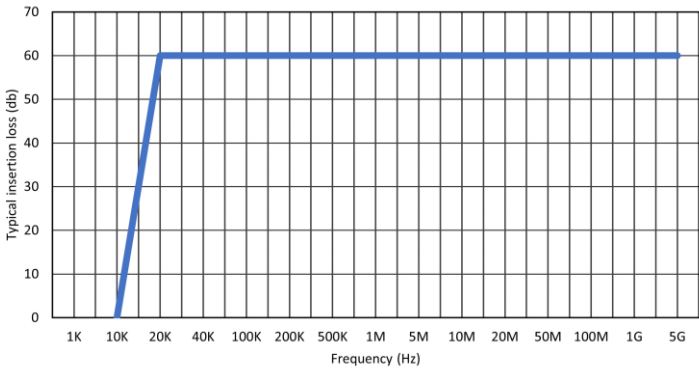
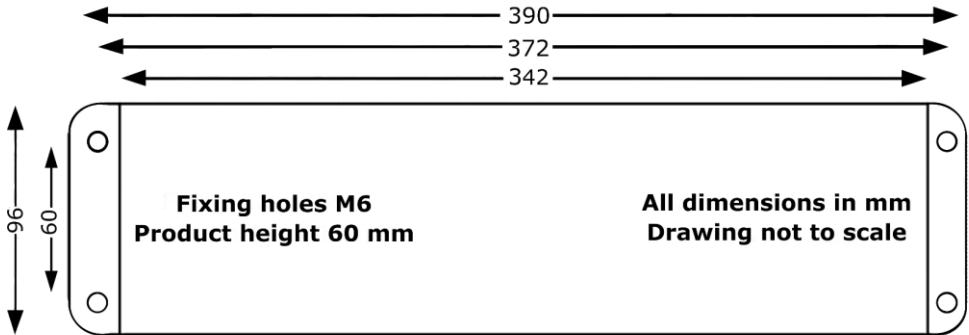
Pluggable 4 Socket 13A



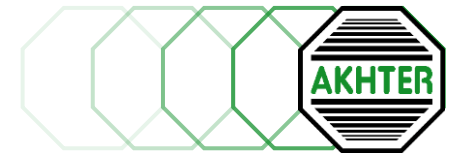
Part Number	Product Description
SCPVTEMPEST13A4S	4 x BS1363 Sockets, Maximum 13A Single Phase
CP&F Part No: SCPVTEMPEST13A4S	230V Pluggable Tempest Filter
NATO No: 5915-99-577-5313	

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	13A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 12 Socket 13A PDU

Silicon CPV's 12 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 60dB from 100kHz to 1GHz

Built-in current and voltage meter

13A BS1363 3 pin plug input & 12 x UK plug sockets outlets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

13A designed filters are tolerable for personnel protection RCCD

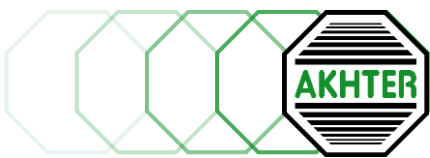
UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER



Pluggable 12 Socket 13A PDU

Part Number

SCPVTEMPEST13A12S

CP&F Part No: **SCPVTEMPEST13A12S**

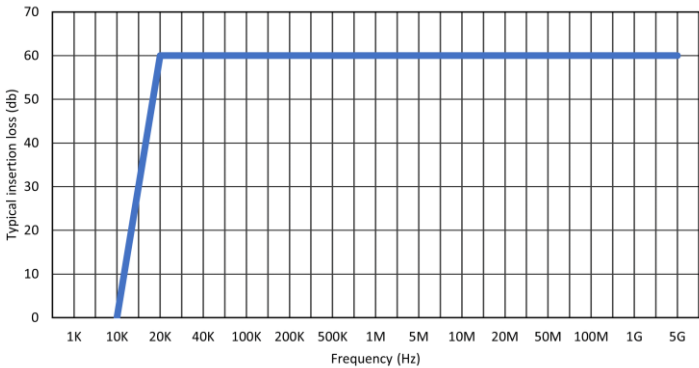
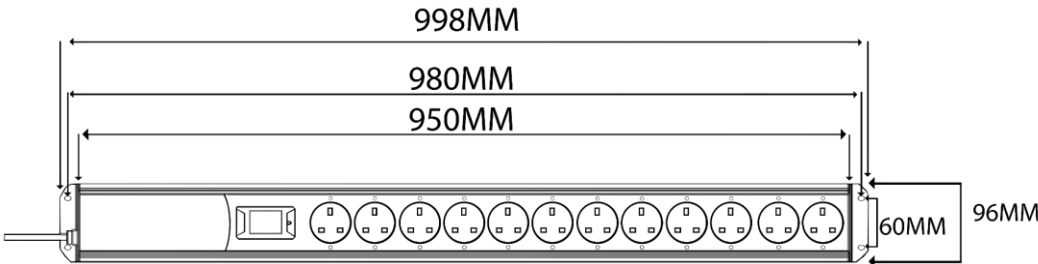
Product Description

12 x BS1363 Sockets, Maximum 13A Single Phase

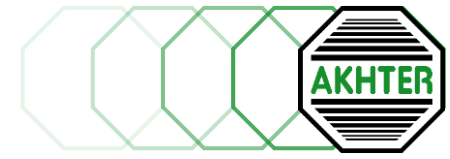
230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	13A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 2 Socket 15A (American)

Silicon CPV's 2 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

15A Type B (American) 3 pin plug input & 2 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

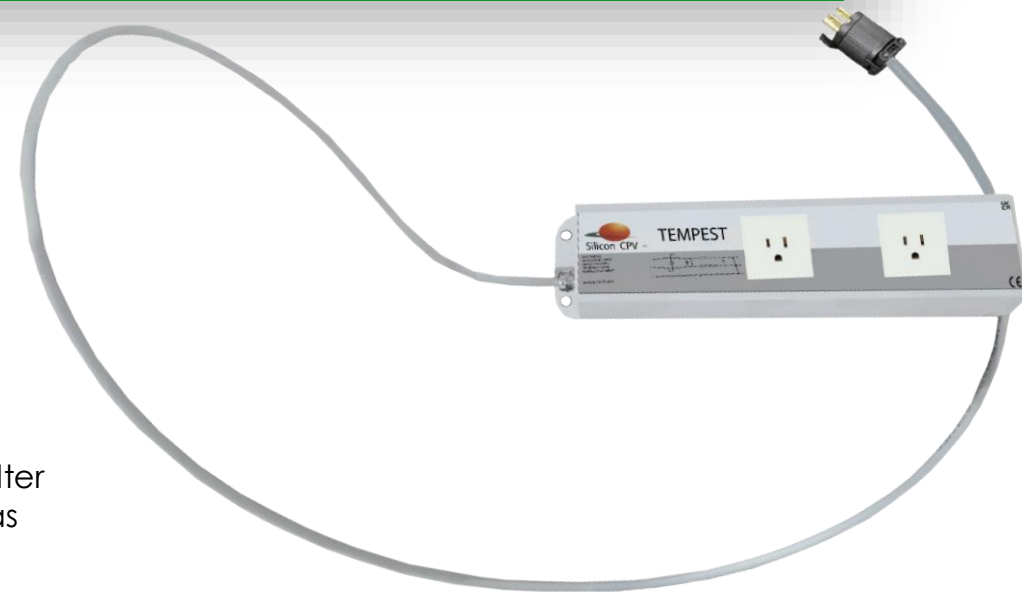
Powder coated aluminium enclosure

15A designed filters are tolerable for personnel protection RCCD

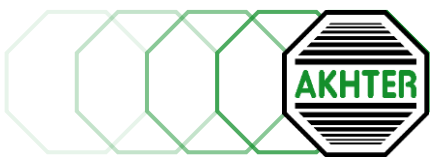
UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER



Pluggable 2 Socket 15A (American)

Part Number

SCPVTEMPEST15A2S

CP&F Part No: **SCPVTEMPEST15A2S**

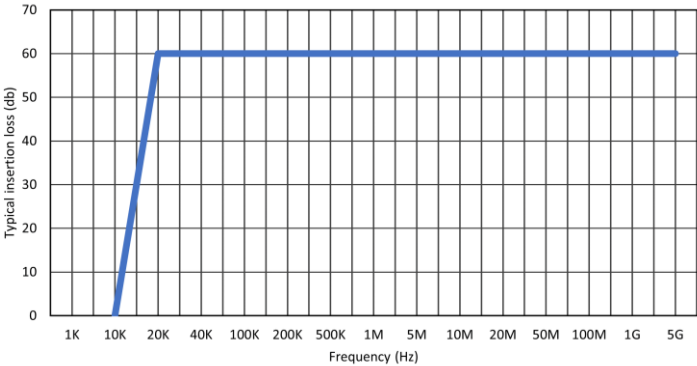
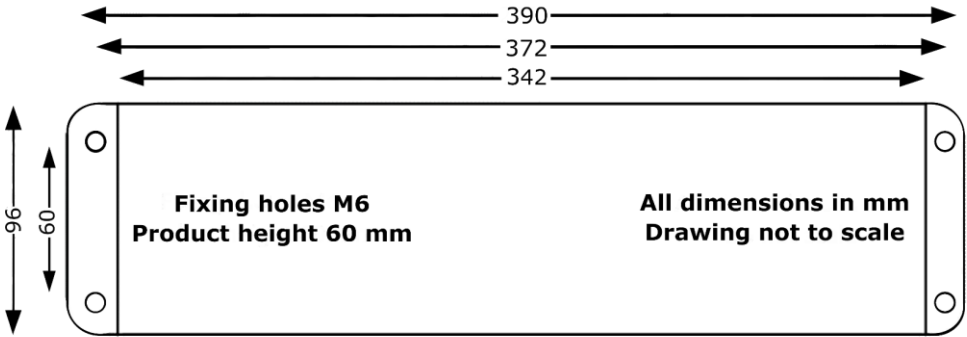
Product Description

2 x Type B (American) Sockets, Maximum 15A Single Phase

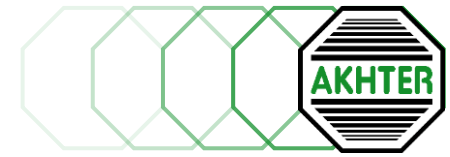
230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	10A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 2 Socket 16A (EU)

Silicon CPV's 2 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

16A Type F plug input & 2 x sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

16A designed filters are tolerable for personnel protection RCCD

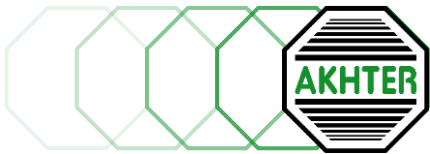
UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER



Pluggable 2 Socket 16A (EU)

Part Number

SCPVTEMPEST16A2S

CP&F Part No: **SCPVTEMPEST16A2S**

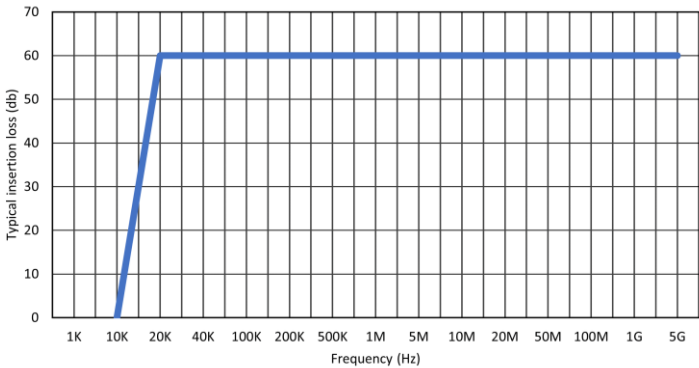
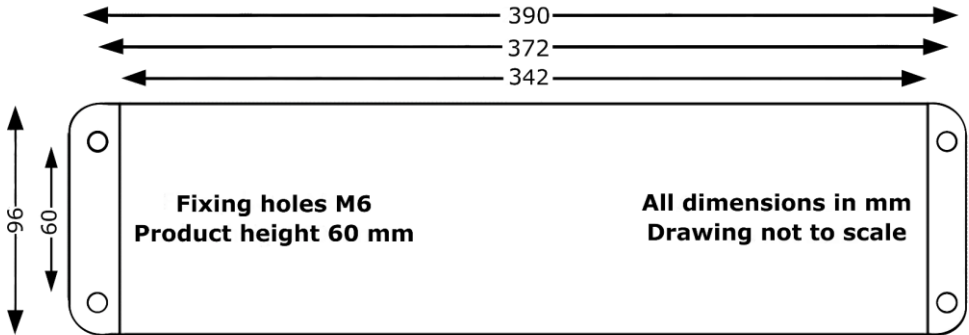
Product Description

2 x Type F Sockets, Maximum 16A Single Phase

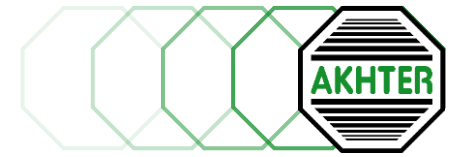
230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	16A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 4 Socket 16A (EU)

Silicon CPV's 4 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

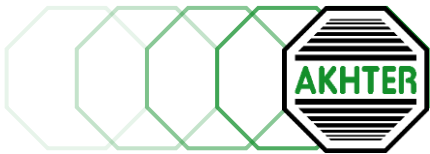
TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 60dB from 100kHz to 1GHz

16A Type F plug input & 4 x sockets

- Designed to IT equipment safety standard IEC 62368-1:2023
- Fully 360° screened input cable to maintain red/black separation to filter
- Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas
- Self-healing metallised plastic film capacitors
- High common & differential mode insertion loss
- Improved low frequency performance
- Powder coated aluminium enclosure
- 16A designed filters are tolerable for personnel protection RCCD
- UKCA - CE compliant - Input voltage range (90-275VAC)
- Simple mechanical and electrical installation
- Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER



Pluggable 4 Socket 16A (EU)

Part Number

SCPV-TEMPEST-16A4S

CP&F Part No: **SCPV-TEMPEST-16A4S**

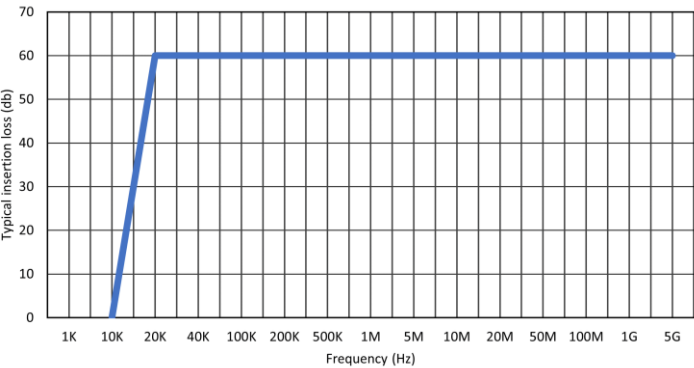
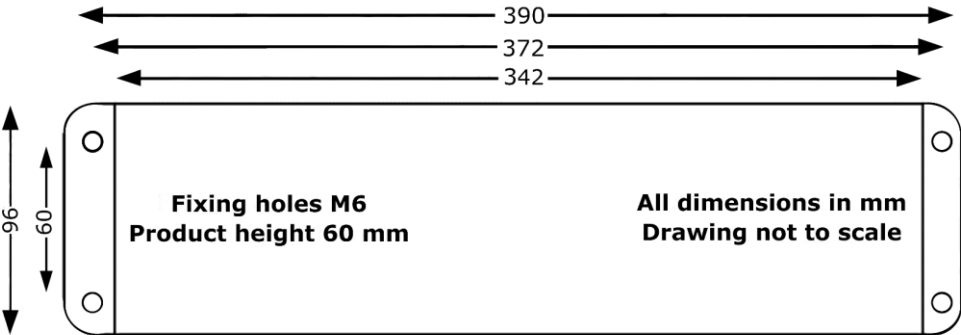
Product Description

4 x Type F Sockets, Maximum 16A Single Phase

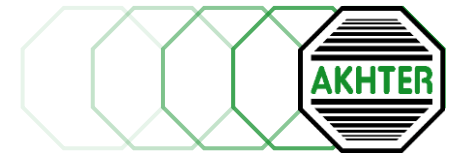
230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	16A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 6 Socket 16A

Silicon CPV's 6 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

16A 3 Pin Commando plug input & 6 x BS1363 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

16A designed filters are tolerable for personnel protection RCCD

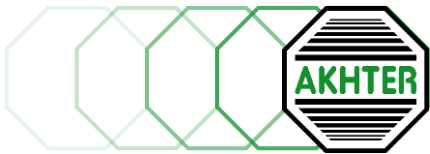
UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER

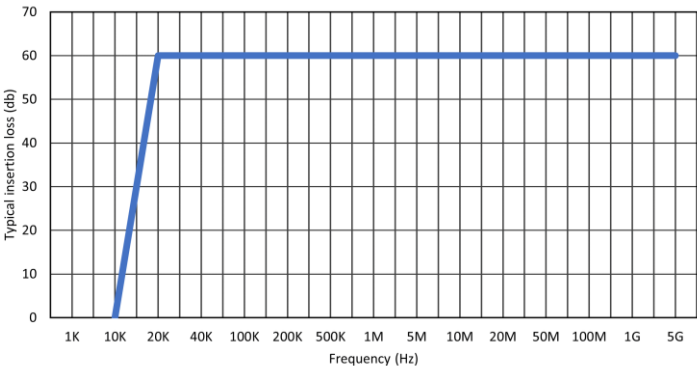
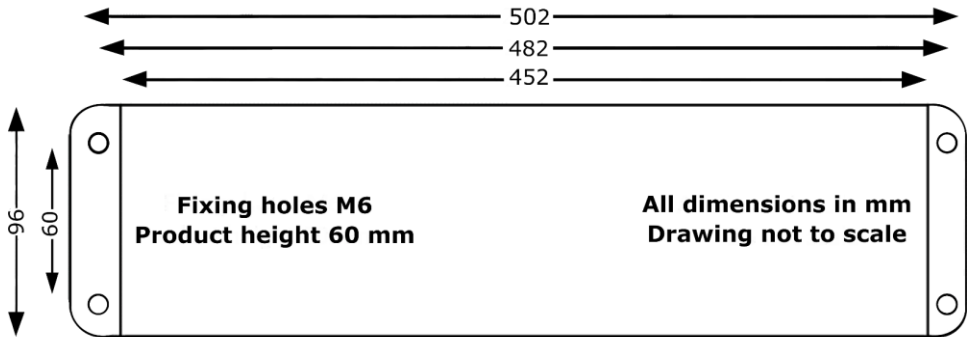


Pluggable 6 Socket 16A

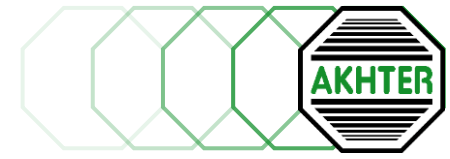
Part Number	Product Description
SCPVTEMPEST16A6S	6 x BS1363 Sockets, Maximum 16A Single Phase
CP&F Part No: SCPVTEMPEST16A6S	230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	16A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 2 Socket 32A

Silicon CPV's 2 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

32A 3 Pin Commando plug input & 2 x BS1363 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

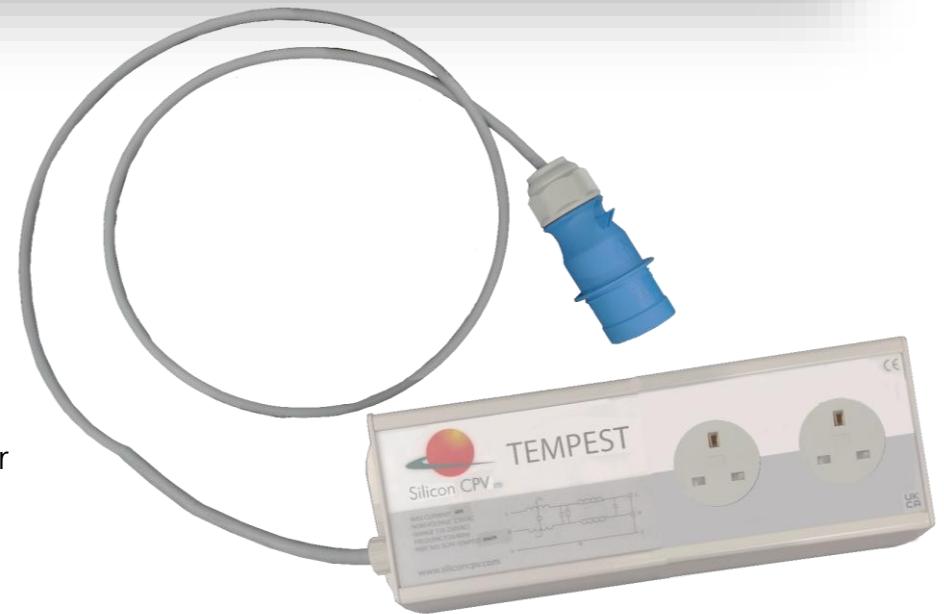
Powder coated aluminium enclosure

32A designed filters are tolerable for personnel protection RCCD

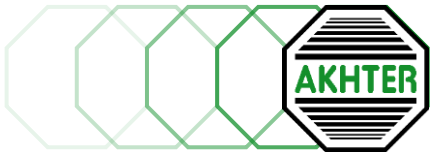
UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER



Pluggable 2 Socket 32A

Part Number

SCPVTEMPEST32A2S

CP&F Part No: **SCPVTEMPEST32A2S**

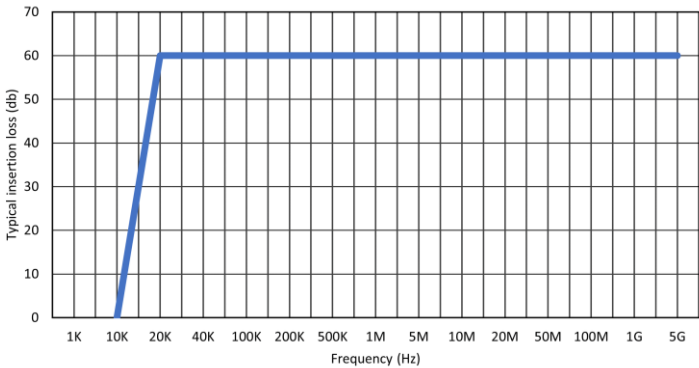
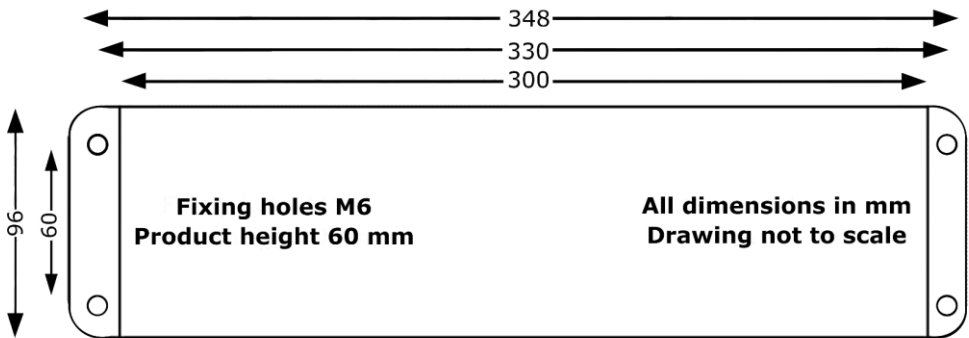
Product Description

2 x BS1363 Sockets, Maximum 32A Single Phase

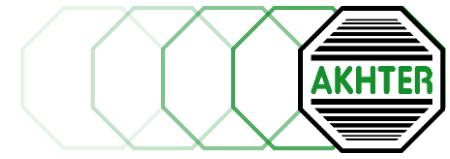
230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	32A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 4 Socket 32A

Silicon CPV's 4 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

32A Commando plug input & 4 x BS1363 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

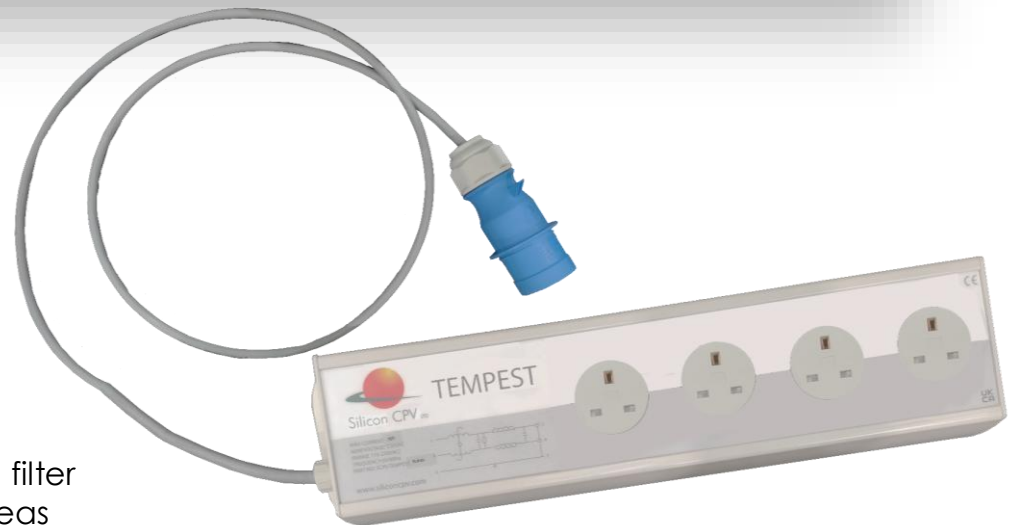
Powder coated aluminium enclosure

32A designed filters are tolerable for personnel protection RCCD

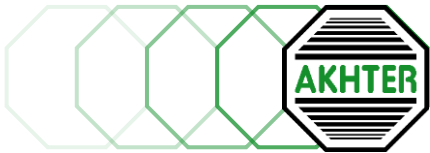
UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER

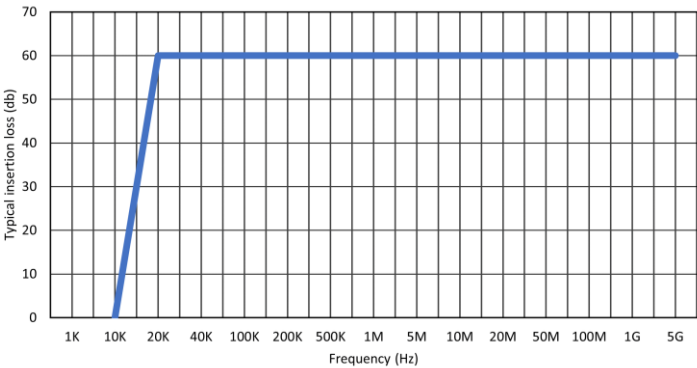
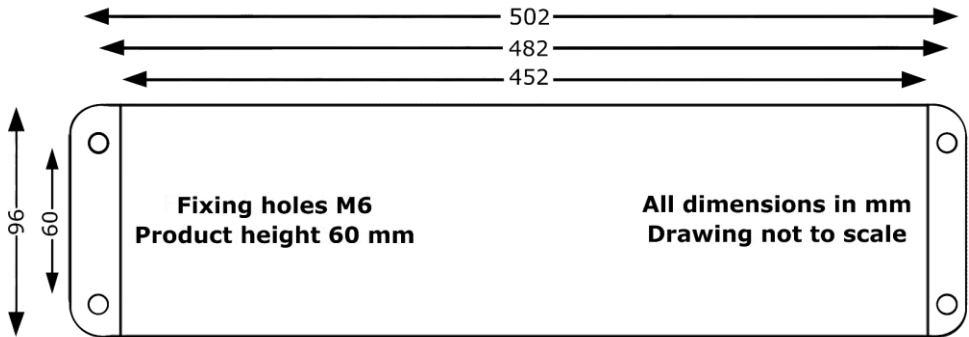


Pluggable 4 Socket 32A

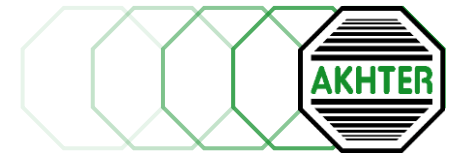
Part Number	Product Description
SCPVTEMPEST32A4S	4 x BS1363, Maximum 32A Single Phase
CP&F Part No: SCPVTEMPEST32A4S	230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	32A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 6 Socket 32A

Silicon CPV's 6 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

32A 3 Pin Commando plug input & 6 x BS1363 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

32A designed filters are tolerable for personnel protection RCCD

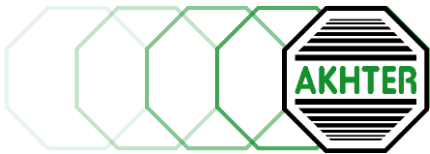
UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER



Pluggable 6 Socket 32A

Part Number

SCPVTEMPEST32A6S

CP&F Part No: **SCPVTEMPEST32A6S**

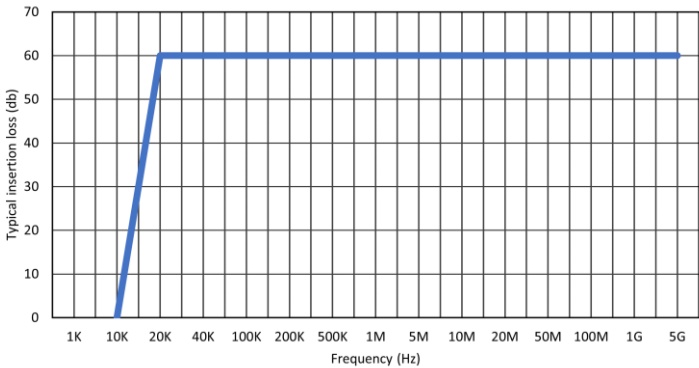
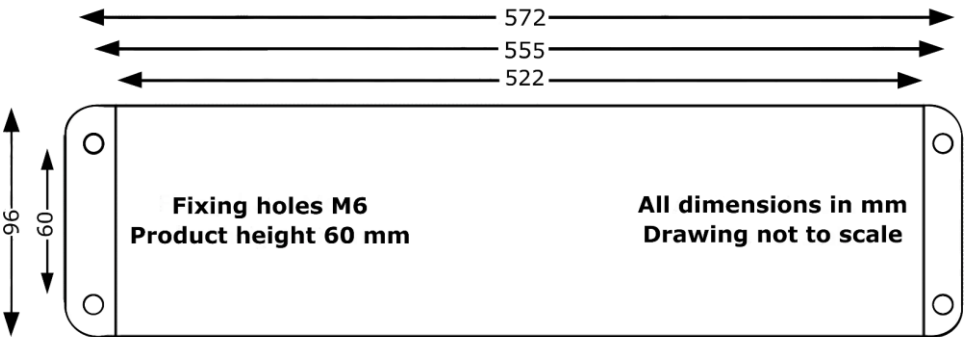
Product Description

6 x BS1363 Sockets, Maximum 32A Single Phase

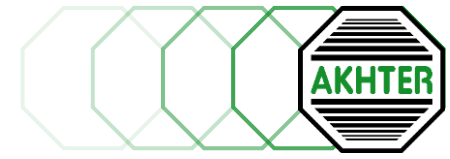
230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	32A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 12 Socket 32A PDU

Silicon CPV's 12 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 60dB from 100kHz to 1GHz

Built-in current and voltage meter

32A Commando plug input & 12 x BS1363 plug sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

32A designed filters are tolerable for personnel protection RCCD

UKCA - CE compliant - Input voltage range (90-275VAC)

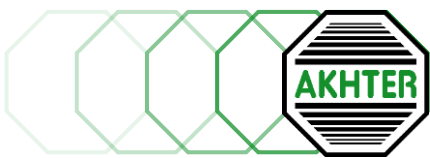
Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU

Available up to 32A and with different sockets connections



TEMPEST FILTER



Pluggable 12 Socket 32A PDU

Part Number

SCPVTEMPEST32A12S

CP&F Part No: **SCPVTEMPEST32A12S**

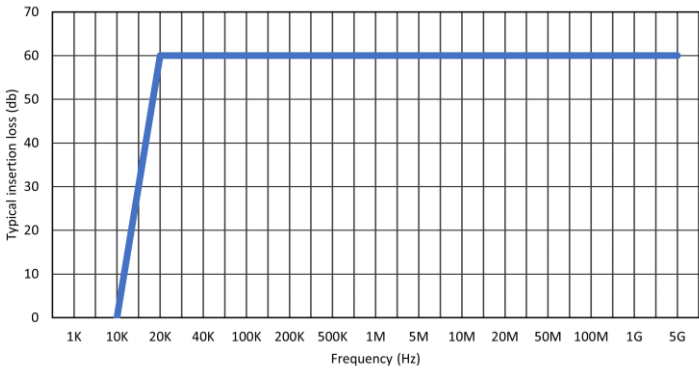
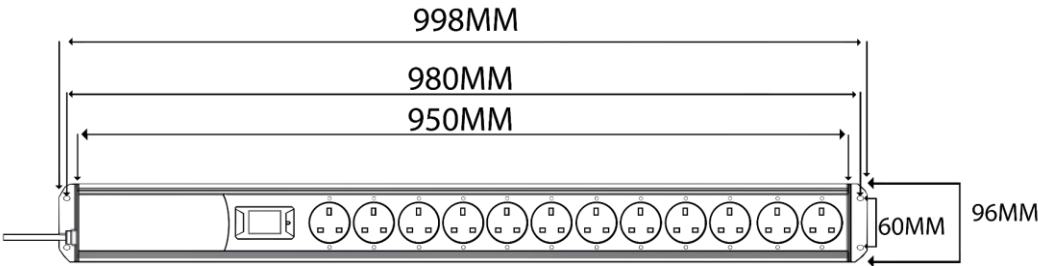
Product Description

12 x BS1363 Sockets, Maximum 32A Single Phase

230V Pluggable Tempest Filter

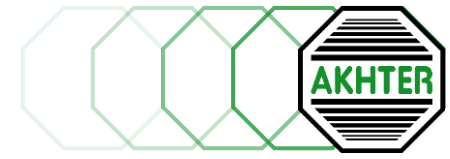
Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	32A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER

Inline 6A



Silicon CPV's inline, TEMPEST filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

2m, 3 core flex cable for input / output connectivity

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

6A designed filters are tolerable for personnel protection RCCD

UKCA - CE compliant - Input voltage range (90-275VAC)

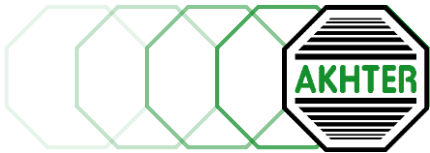
Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER

Inline 6A



Part Number

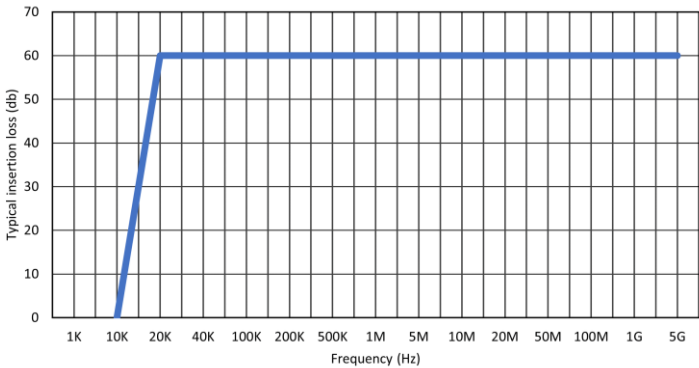
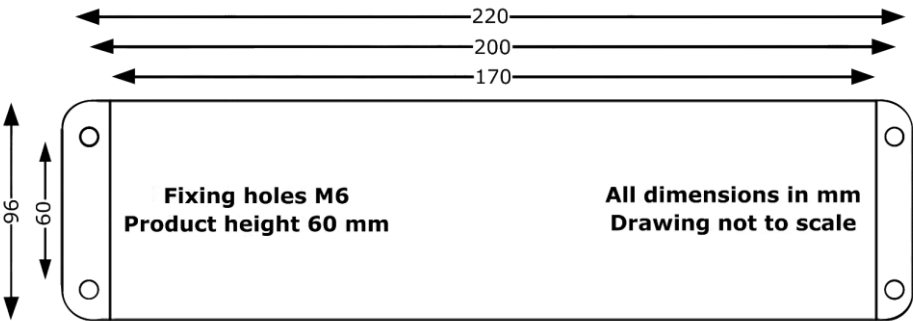
SCPVTEMPEST6AIL
CP&F Part No: SCPVTEMPEST6AIL

Product Description

Maximum 6A Single Phase
230V Inline Tempest Filter

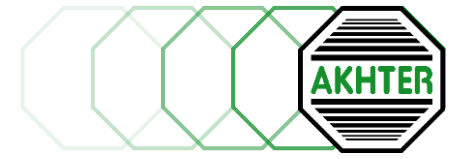
Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	6A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER

Inline 13A



Silicon CPV's inline, TEMPEST filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

2m, 3 core flex cable for input / output connectivity

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

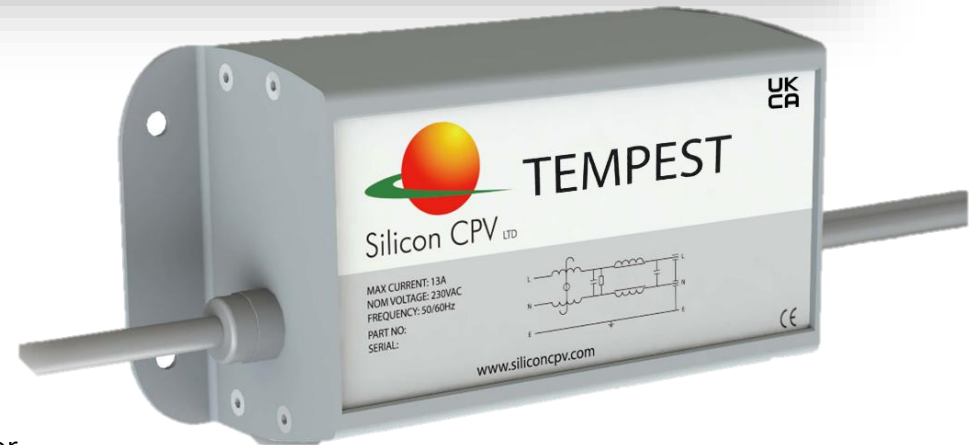
Powder coated aluminium enclosure

13A designed filters are tolerable for personnel protection RCCD

UKCA - CE compliant - Input voltage range (90-275VAC)

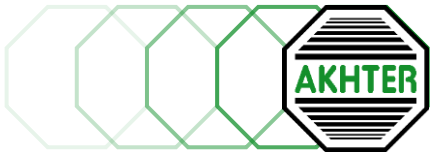
Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER

Inline 13A



Part Number

SCPVTEMPEST13AIL

CP&F Part No: **SCPVTEMPEST13AIL**

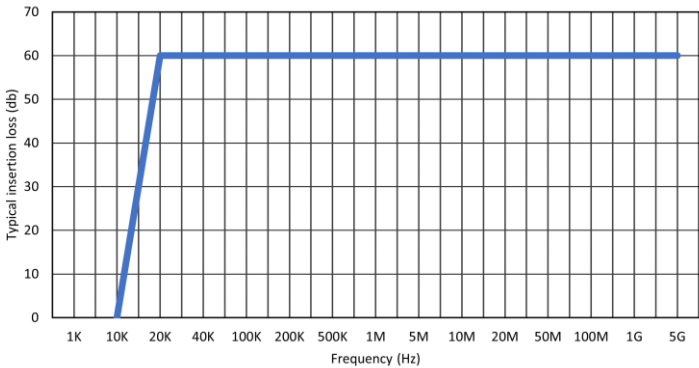
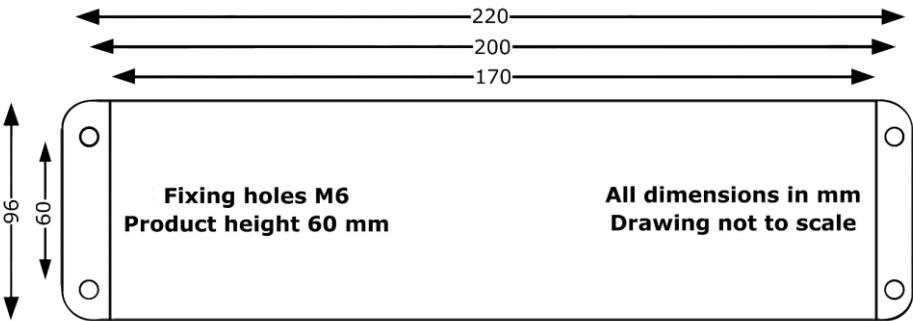
Product Description

Maximum 13A Single Phase

230V Inline Tempest Filter

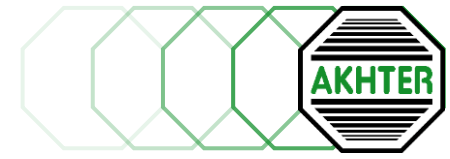
Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	13A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER

Inline 16A



Silicon CPV's inline, TEMPEST filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

2m, 3 core flex cable for input / output connectivity

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

16A designed filters are tolerable for personnel protection RCCD

UKCA - CE compliant - Input voltage range (90-275VAC)

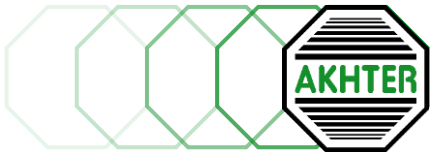
Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER

Inline 16A



Part Number

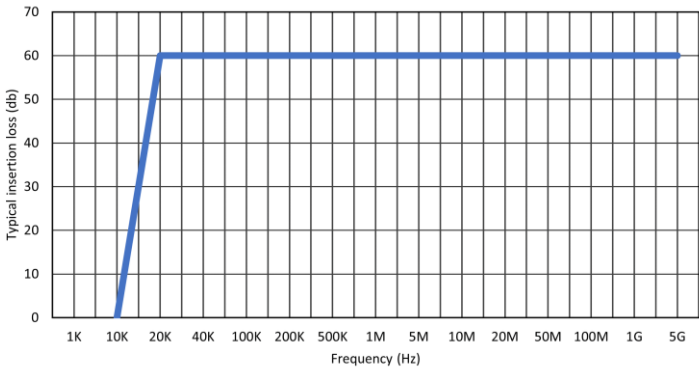
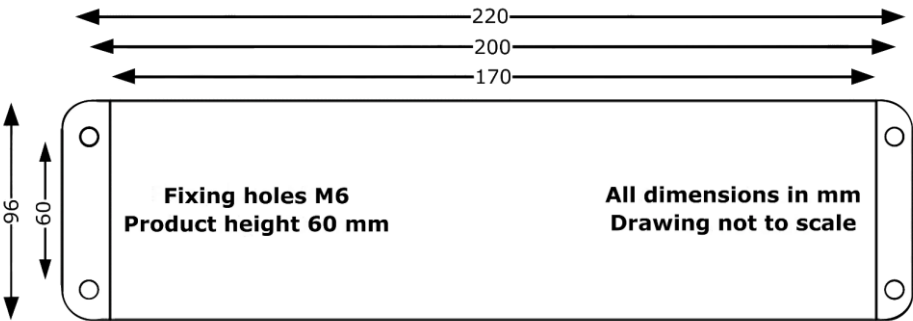
SCPVTEMPEST16AIL
CP&F Part No: SCPVTEMPEST16AIL

Product Description

Maximum 16A Single Phase
230V Inline Tempest Filter

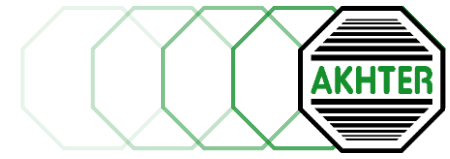
Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	16A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER

Inline 32A



Silicon CPV's inline, TEMPEST filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 60dB from 100kHz to 1GHz

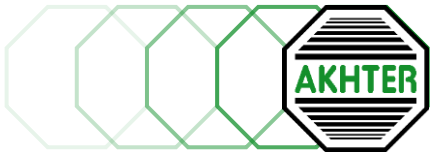
2m, 3 core flex cable for input / output connectivity

Designed to IT equipment safety standard IEC 62368-1:2023
Fully 360° screened input cable to maintain red/black separation to filter
Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas
Self-healing metallised plastic film capacitors
High common & differential mode insertion loss
Improved low frequency performance
Powder coated aluminium enclosure
32A designed filters are tolerable for personnel protection RCCD
UKCA - CE compliant - Input voltage range (90-275VAC)
Simple mechanical and electrical installation
Filters comply with basic requirements of the EMC directive 2014/30/EU
Available up to 32A



TEMPEST FILTER

Inline 32A



Part Number

SCPVTEMPEST32AIL

CP&F Part No: **SCPVTEMPEST32AIL**

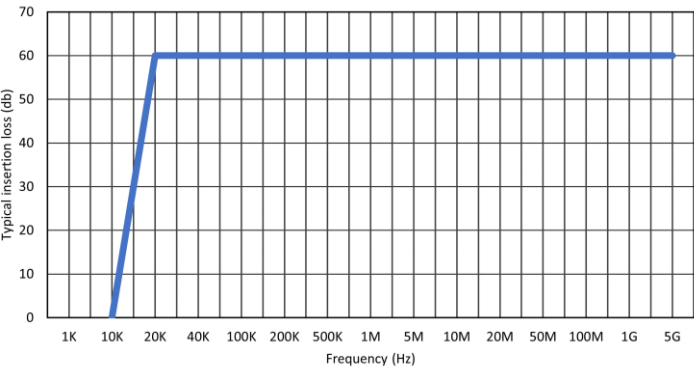
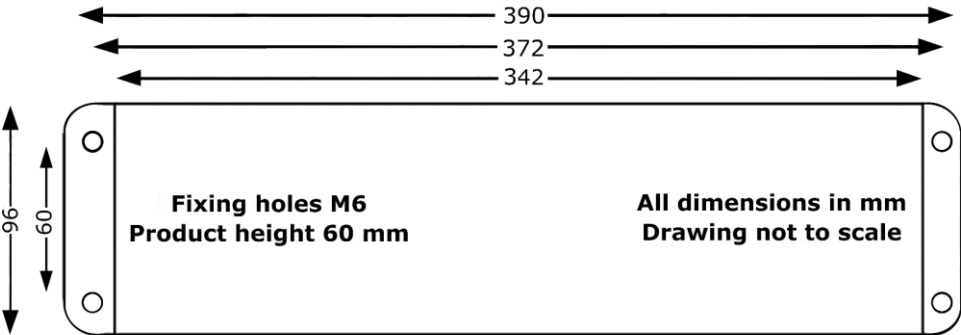
Product Description

Maximum 32A Single Phase

230V Inline Tempest Filter

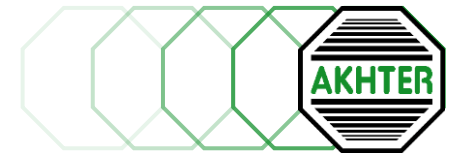
Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	32A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER

DC Inline 15A



Silicon CPV's inline, TEMPEST filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions. The product has been designed to support current ratings of 15 Amps under maximum of 200V DC voltage conditions for 2 lines DC circuits. A low resistance earth connection is required to achieve full specification filtering.

Product Description

TEMPEST EMI 2 Line DC filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

2m, 3 core flex cable for input / output connectivity

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

UKCA - CE compliant – Input voltage range (6-200VDC)

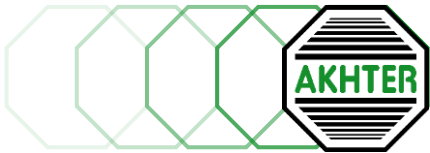
Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER

DC Inline 15A



Part Number

SCPVTEMPEST15A-DC-2L

CP&F Part No: **SCPVTEMPEST15A-DC-2L**

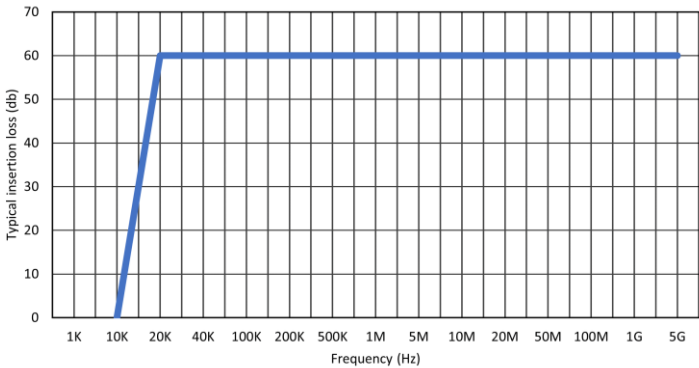
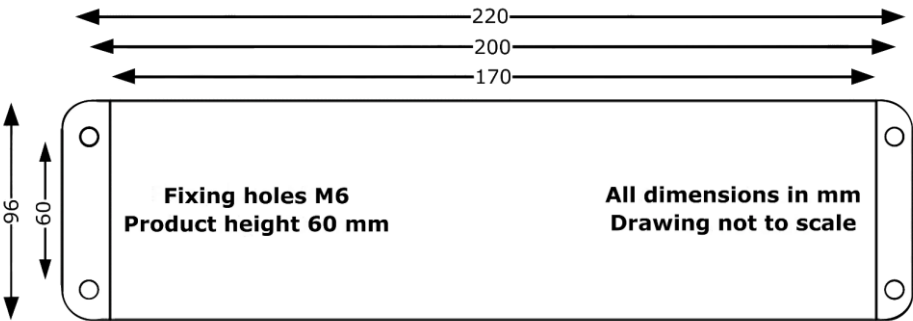
Product Description

Maximum 15A Single Phase

200V DC Inline Tempest Filter

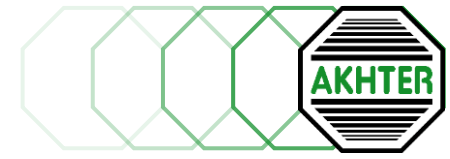
Rating and Characteristics

Rated Voltage	200V DC
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	15A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER

DC Inline 40A



Silicon CPV's inline, TEMPEST filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions. The product has been designed to support current ratings of 40 Amps under maximum of 200V DC voltage conditions for 2 lines DC circuits. A low resistance earth connection is required to achieve full specification filtering.

Product Description

TEMPEST EMI 2 Line DC filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

2m, 3 core flex cable for input / output connectivity

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

UKCA - CE compliant – Input voltage range (6-200VDC)

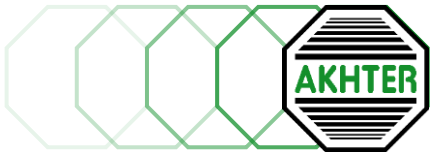
Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER

DC Inline 40A



Part Number

SCPVTEMPEST40A-DC-2L

CP&F Part No: **SCPVTEMPEST40A-DC-2L**

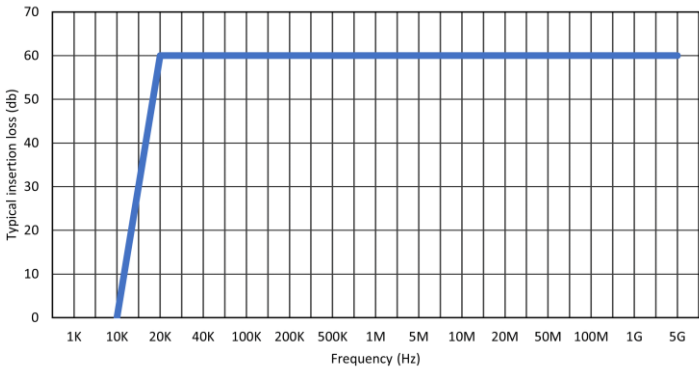
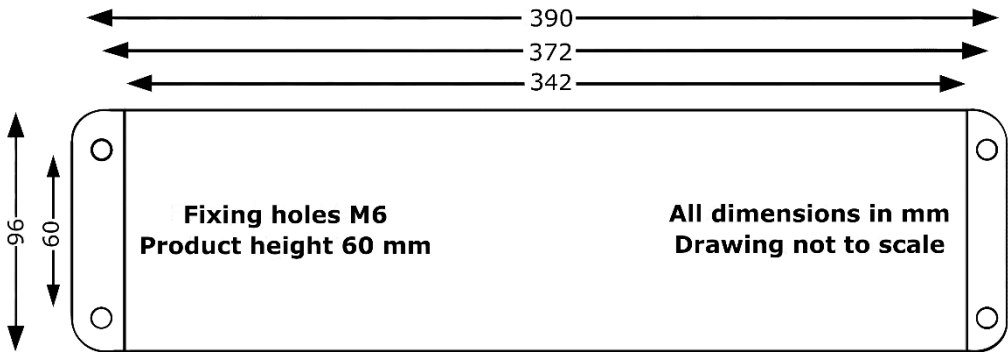
Product Description

Maximum 40A Single Phase

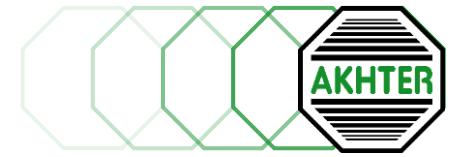
200V DC Inline Tempest Filter

Rating and Characteristics

Rated Voltage	200V DC
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	40A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Inline 16A 19" Rack

Silicon CPV's inline, TEMPEST filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

2m, 3 core flex cable for input / output connectivity

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

16A designed filters are tolerable for personnel protection RCCD

UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU

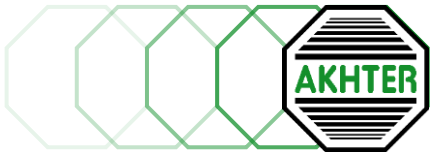
19" Rack Mountable Filter

Available up to 32A



TEMPEST FILTER

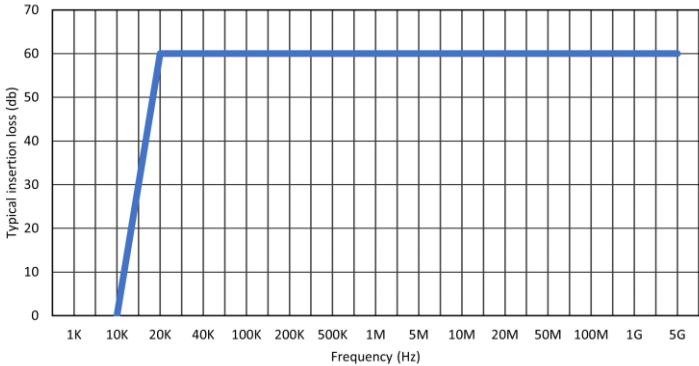
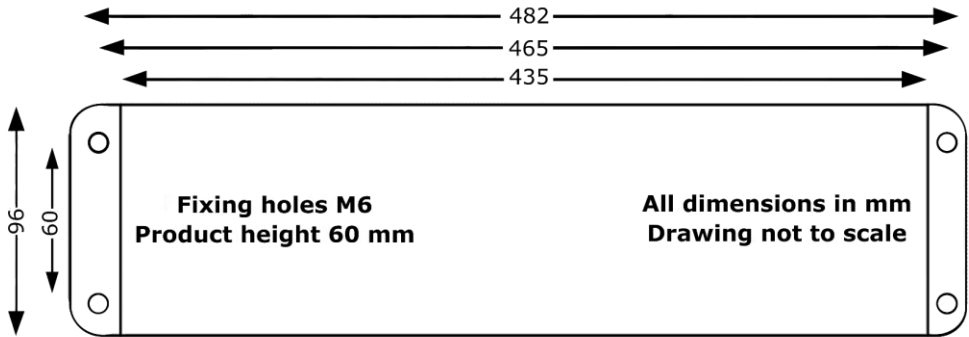
Inline 16A 19" Rack



Part Number	Product Description
SCPVTEMPEST16AIL19	19" Rack, Maximum 16A Single Phase
CP&F Part No: SCPVTEMPEST16AIL19	230V Inline Tempest Filter

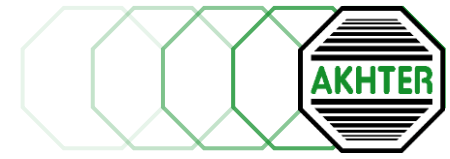
Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	16A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER

Inline 32A 19" Rack



Silicon CPV's inline, TEMPEST filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

2m, 3 core flex cable for input / output connectivity

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

32A designed filters are tolerable for personnel protection RCCD

UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

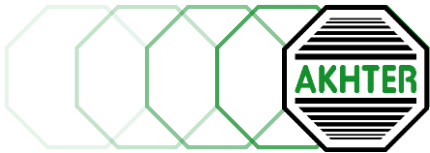
Filters comply with basic requirements of the EMC directive 2014/30/EU

19" Rack Mountable Filter



TEMPEST FILTER

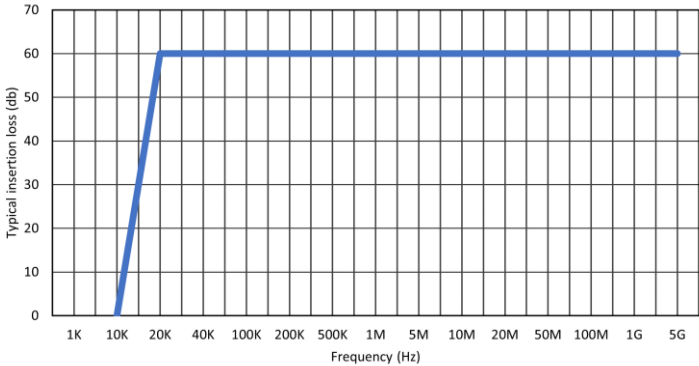
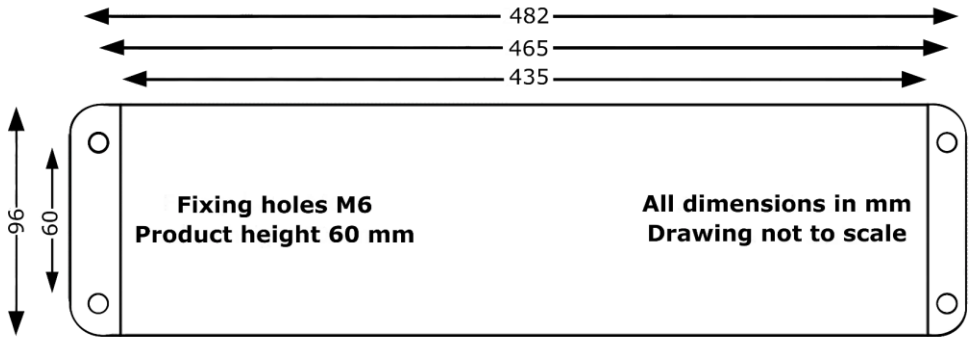
Inline 32A 19" Rack



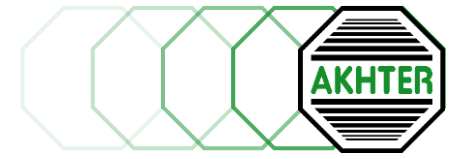
Part Number	Product Description
SCPVTEMPEST32AIL19	19" Rack, Maximum 32A Single Phase
CP&F Part No: SCPVTEMPEST32AIL19	230V Inline Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	32A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 4 Socket 16A 19" Rack

Silicon CPV's 4 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 60dB from 100kHz to 1GHz

2m, 3 core shielded flex cable, 4 x BS1363 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

16A designed filters are tolerable for personnel protection RCCD

UKCA - CE compliant - Input voltage range (90-275VAC)

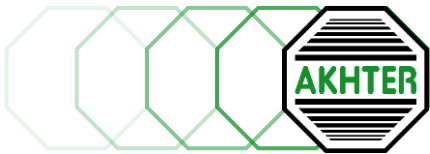
Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU

19" Rack Mountable Filter



TEMPEST FILTER



Pluggable 4 Socket 16A 19" Rack

Part Number

SCPVTEMPEST16A4SRM

CP&F Part No: **SCPVTEMPEST16A4SRM**

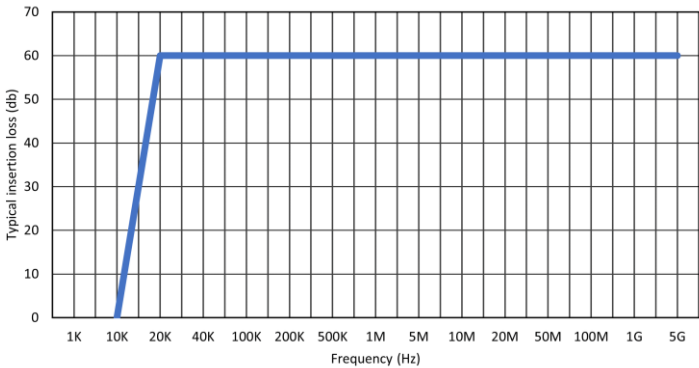
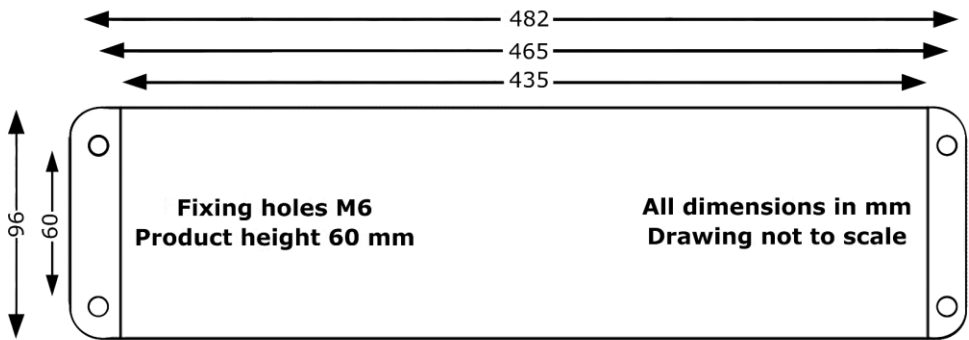
Product Description

19" Rack Mount Filter, 4 x BS1363 Sockets, Maximum 16A Single Phase

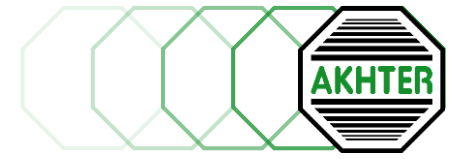
230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	16A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 4 Socket 16A 19" Rack (C13)

Silicon CPV's 4 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

1.5m cable with 16A C14 input plug, 4 x 16A C13 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

16A designed filters are tolerable for personnel protection RCCD

UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU

19" Rack Mountable Filter



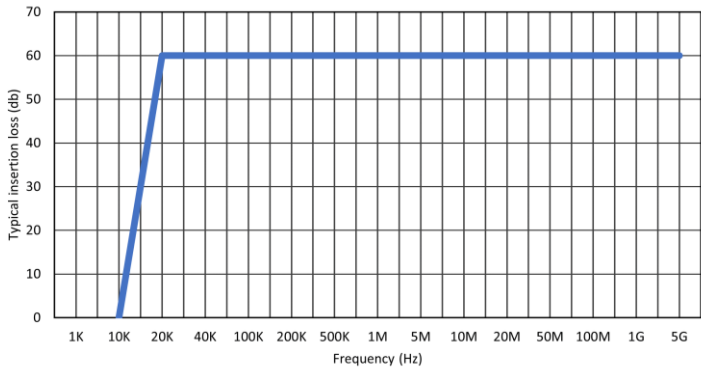
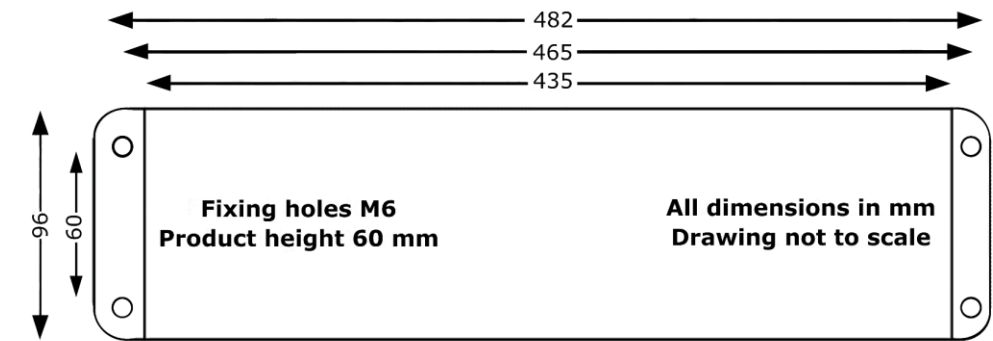
TEMPEST FILTER

Pluggable 4 Socket 16A 19" Rack (C13)

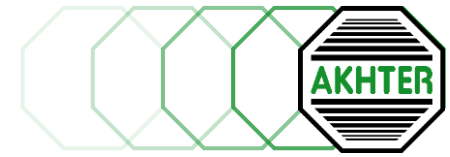
Part Number	Product Description
SCPV16A4C13RM-C14	19" Rack Mount Filter, 4 x C13 Sockets with C14 plug, Maximum 16A Single Phase
CP&F Part No: SCPV16A4C13RM-C14	230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	16A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 4 Socket 16A 19" Rack (C13)

Silicon CPV's 4 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

1.5m cable with 13A BS1363 input plug, 4 x 16A C13 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

16A designed filters are tolerable for personnel protection RCCD

UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU

19" Rack Mountable Filter



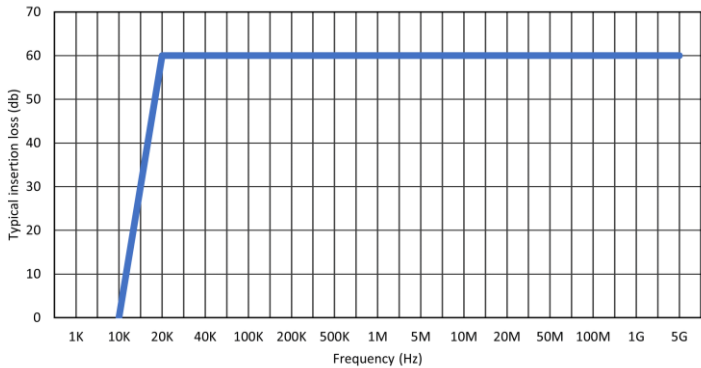
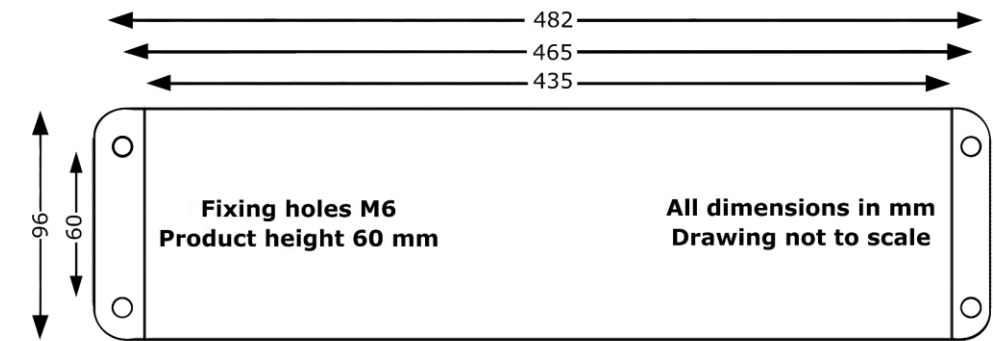
TEMPEST FILTER

Pluggable 4 Socket 16A 19" Rack (C13)

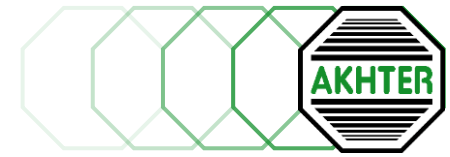
Part Number	Product Description
SCPV16A4C13RM-UK	19" Rack Mount Filter, 4 x C13 Sockets with UK plug, Maximum 16A Single Phase
CP&F Part No: SCPV16A4C13RM-UK	230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	16A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 6 Socket 16A 19" Rack

Silicon CPV's 6 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 60dB from 100kHz to 1GHz

2m, 3 core shielded flex cable, 6 x BS1363 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

16A designed filters are tolerable for personnel protection RCCD

UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

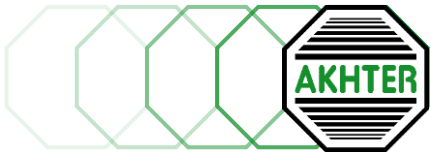
Filters comply with basic requirements of the EMC directive 2014/30/EU

19" Rack Mountable Filter

Available up to 32A and with different sockets connections



TEMPEST FILTER



Pluggable 6 Socket 16A 19" Rack

Part Number

SCPVTEMPEST16A6SRM

CP&F Part No: **SCPVTEMPEST16A6SRM**

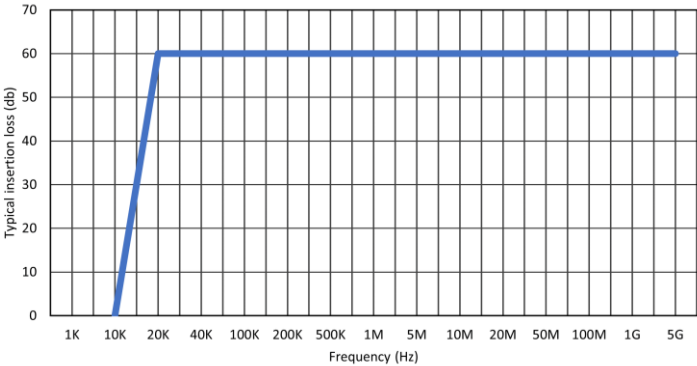
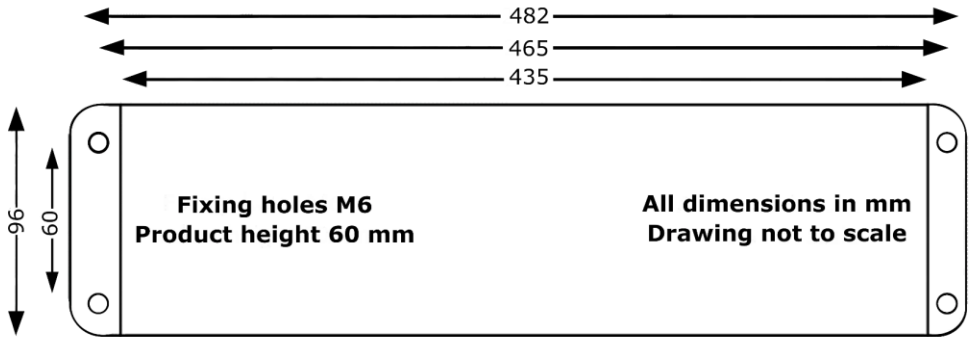
Product Description

19" Rack Mount Filter, 6 x BS1363 Sockets, Maximum 16A Single Phase

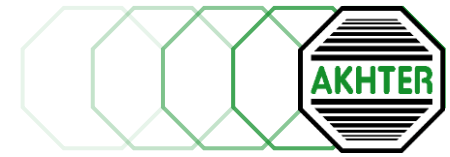
230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	16A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 8 Socket 16A 19" Rack (C19)

Silicon CPV's 8 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 60dB from 100kHz to 1GHz

2m, 3 core shielded flex cable, 8 x 16A C19 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

16A designed filters are tolerable for personnel protection RCCD

UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU

19" Rack Mountable Filter



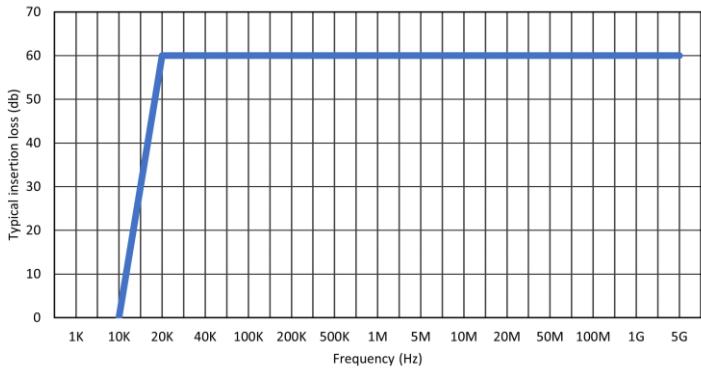
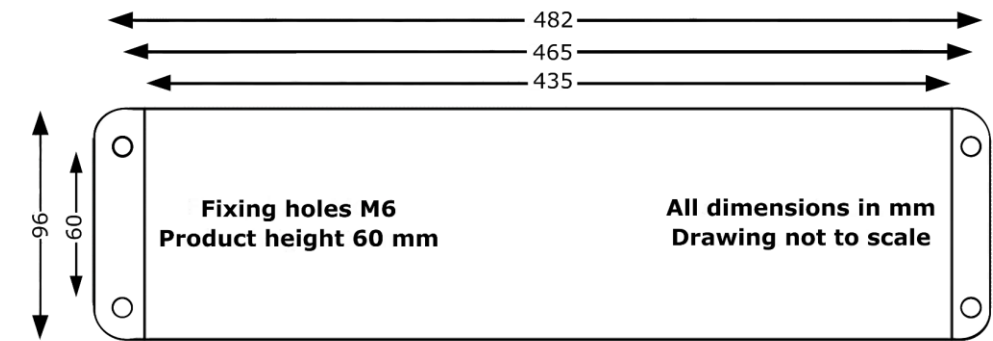
TEMPEST FILTER

Pluggable 8 Socket 16A 19" Rack (C19)

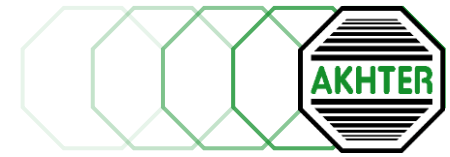
Part Number	Product Description
SCPVTEMPEST16A8C19	19" Rack Mount Filter, 8 x C19 Sockets, Maximum 16A Single Phase
CP&F Part No: SCPVTEMPEST16A8C19	230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	16A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 8 Socket 16A 19" Rack (C19)

Silicon CPV's 8 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 60dB from 100kHz to 1GHz

5m, 3 core shielded flex cable, 8 x 16A C19 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

16A designed filters are tolerable for personnel protection RCCD

UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU

19" Rack Mountable Filter



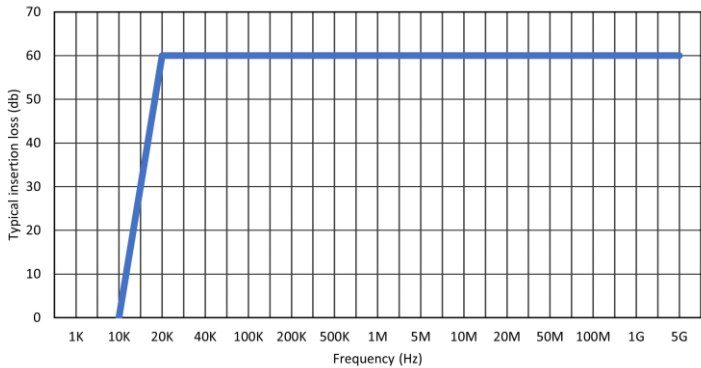
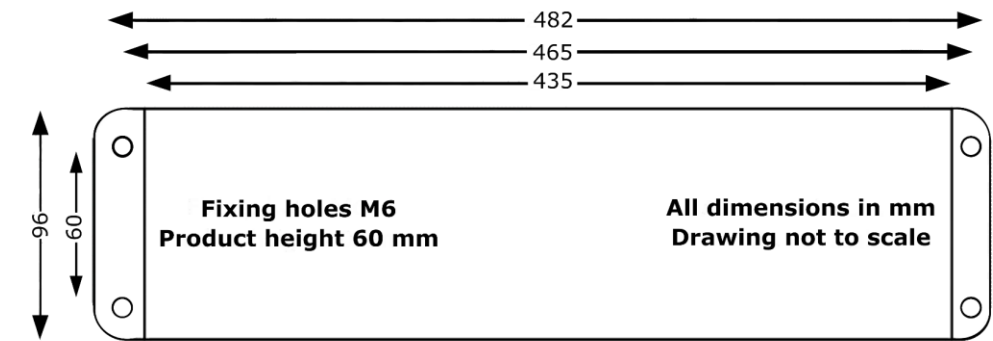
TEMPEST FILTER

Pluggable 8 Socket 16A 19" Rack (C19)

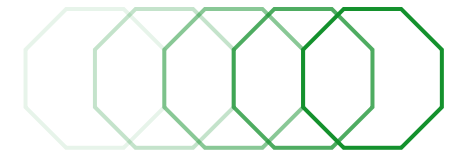
Part Number	Product Description
SCPVTEMPEST16A8C19-5	19" Rack Mount Filter, 8 x C19 Sockets with 5 meter cable, Maximum 16A Single Phase
CP&F Part No: SCPVTEMPEST16A8C19-5	230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	16A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 12 Socket 16A 19" Rack (C13)

Silicon CPV's 12 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 60dB from 100kHz to 1GHz

2m, 3 core shielded flex cable, 12 x 10A C13 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

16A designed filters are tolerable for personnel protection RCCD

UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU

19" Rack Mountable Filter



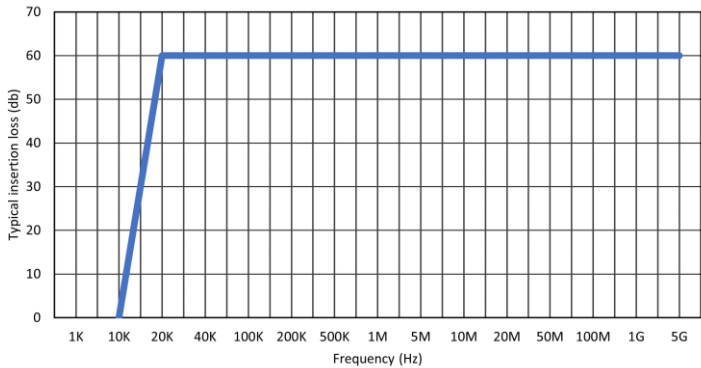
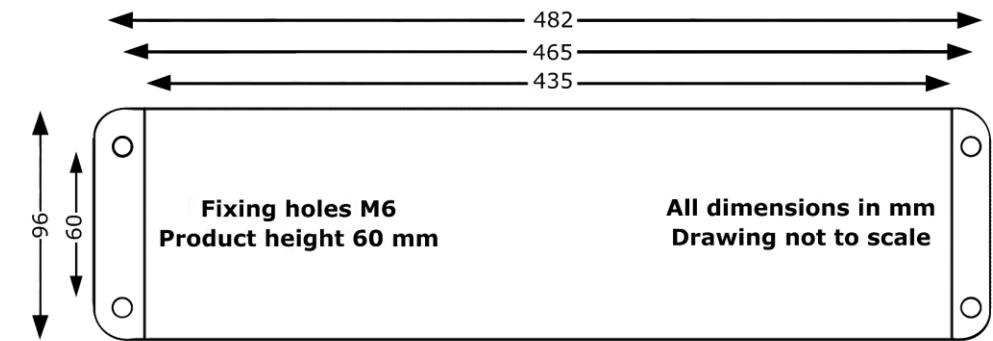
TEMPEST FILTER

Pluggable 12 Socket 16A 19" Rack (C13)

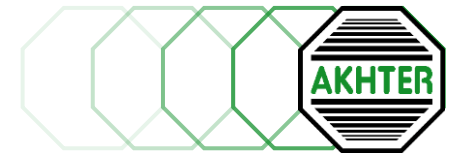
Part Number	Product Description
SCPVTEMPEST16A12C13	19" Rack Mount Filter, 12 x C13 Sockets, Maximum 16A Single Phase
CP&F Part No: SCPVTEMPEST16A12C13	230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	16A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 4 Socket 32A 19" Rack

Silicon CPV's 4 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 60dB from 100kHz to 1GHz

2m, 3 core shielded flex cable, 4 x BS1363 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

32A designed filters are tolerable for personnel protection RCCD

UKCA - CE compliant - Input voltage range (90-275VAC)

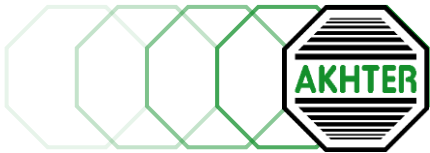
Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU

19" Rack Mountable Filter



TEMPEST FILTER



Pluggable 4 Socket 32A 19" Rack

Part Number

SCPVTEMPEST32A4SRM

CP&F Part No: **SCPVTEMPEST32A4SRM**

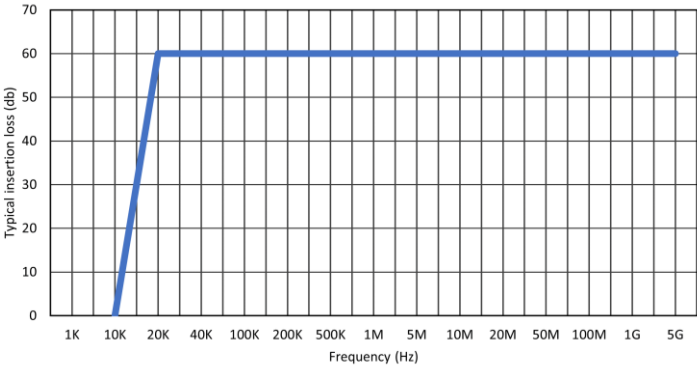
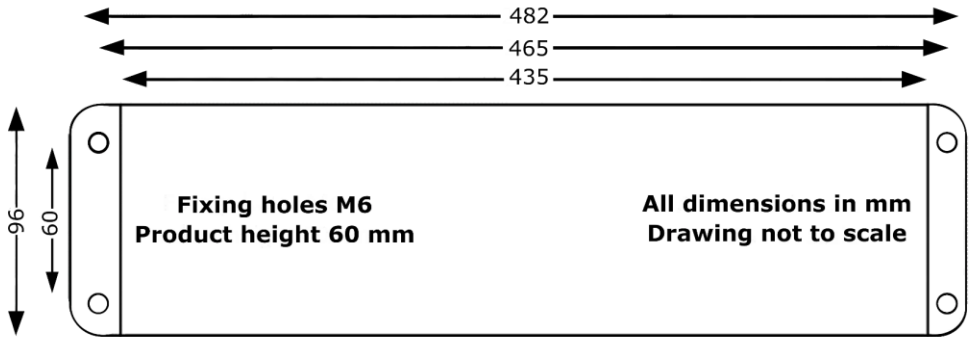
Product Description

19" Rack Mount Filter, 4 x BS1363 Sockets, Maximum 32A Single Phase

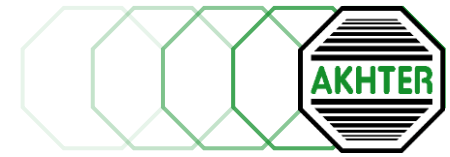
230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	32A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 4 Socket 32A 19" Rack (C19)

Silicon CPV's 4 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

4 x 16A C19 sockets and 32A MCB

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

32A designed filters are tolerable for personnel protection RCCD

UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU

19" Rack Mountable Filter including 32A MCB



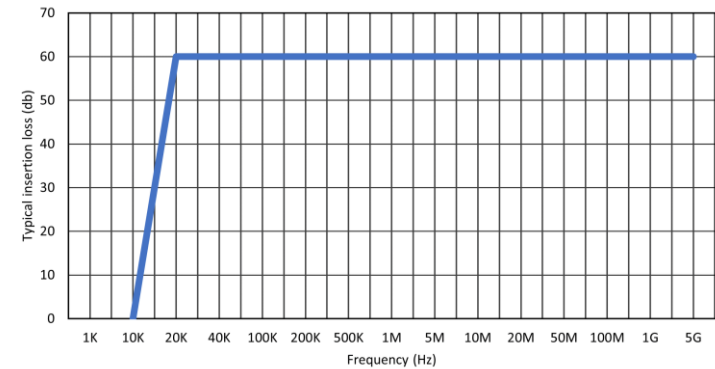
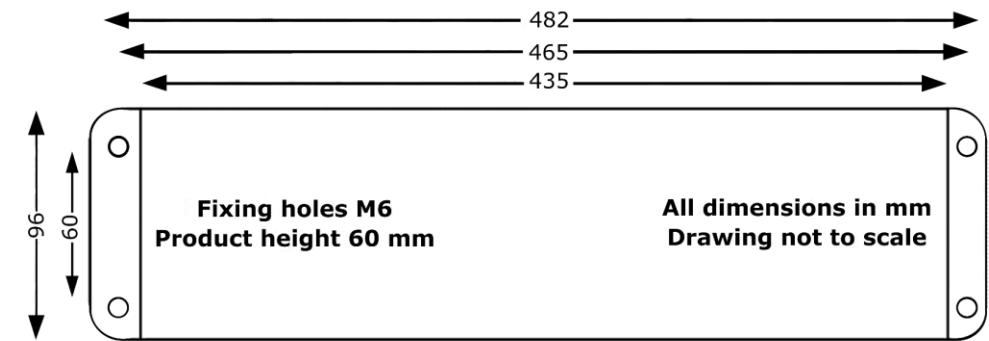
TEMPEST FILTER

Pluggable 4 Socket 32A 19" Rack (C19)

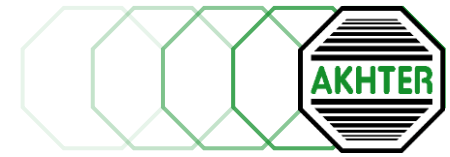
Part Number	Product Description
SCPVTEMPEST32A4C19	19" Rack Mount Filter, 4 x C19 Sockets, Maximum 32A Single Phase
CP&F Part No: SCPVTEMPEST32A4C19	230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	32A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 8 Socket 32A 19" Rack (C19)

Silicon CPV's 8 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 60dB from 100kHz to 1GHz

2m, 3 core shielded cable, 8 x 32A C19 sockets

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

32A designed filters are tolerable for personnel protection RCCD

UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU

19" Rack Mountable Filter



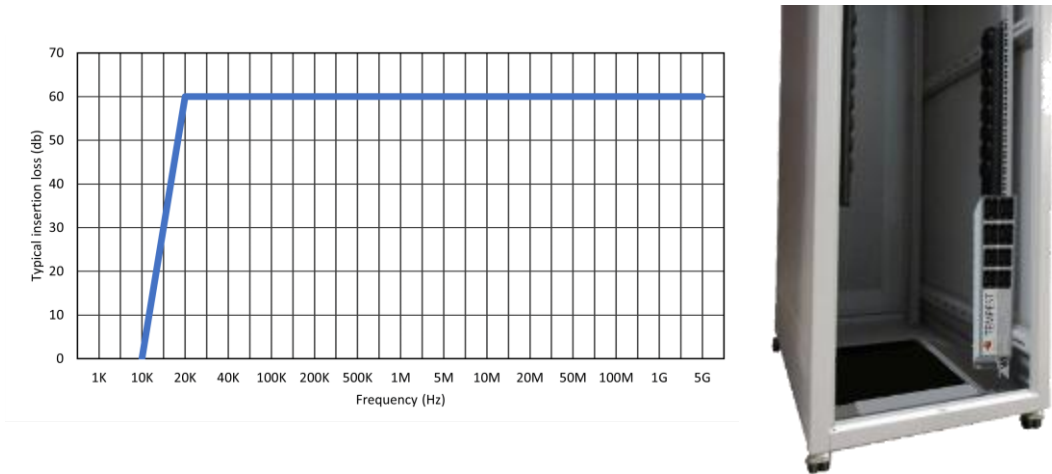
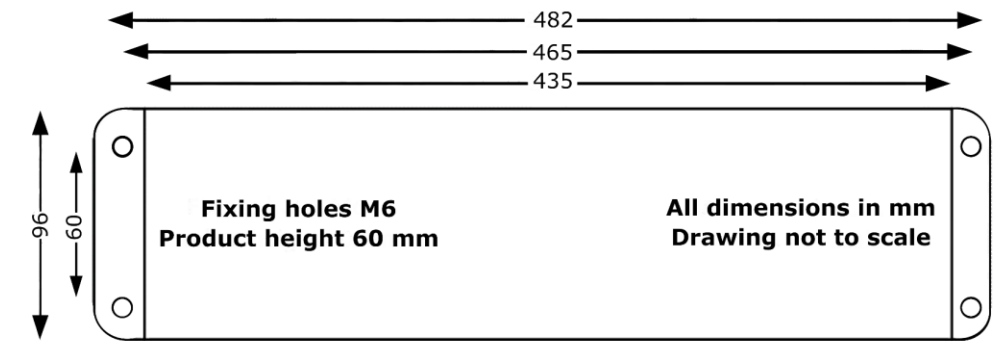
TEMPEST FILTER

Pluggable 8 Socket 32A 19" Rack (C19)

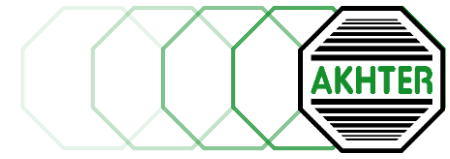
Part Number	Product Description
SCPVTEMPEST32A8C19	19" Rack Mount Filter, 8 x C19 Sockets, Maximum 32A Single Phase
CP&F Part No: SCPVTEMPEST32A8C19	230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	32A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 12 Socket 32A 19" Rack (C13)

Silicon CPV's 12 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 60dB from 100kHz to 1GHz

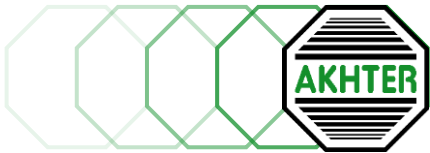
32A 3 Pin Commando plug input & 12 x 10A C13 sockets

Designed to IT equipment safety standard IEC 62368-1:2023
Fully 360° screened input cable to maintain red/black separation to filter
Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas
Self-healing metallised plastic film capacitors
High common & differential mode insertion loss
Improved low frequency performance
Powder coated aluminium enclosure
32A designed filters are tolerable for personnel protection RCCD
UKCA - CE compliant - Input voltage range (90-275VAC)
Simple mechanical and electrical installation
Filters comply with basic requirements of the EMC directive 2014/30/EU
19" Rack Mountable Filter



TEMPEST FILTER

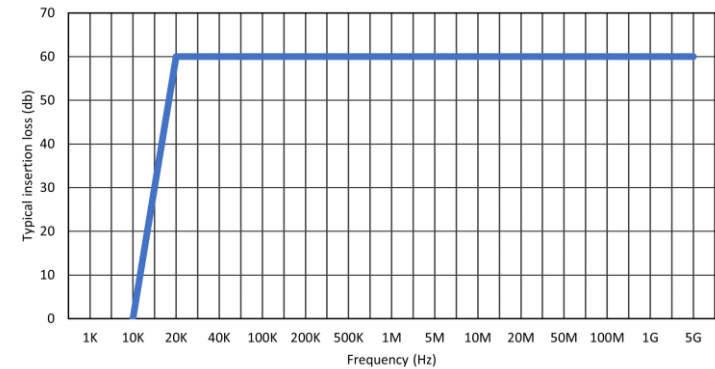
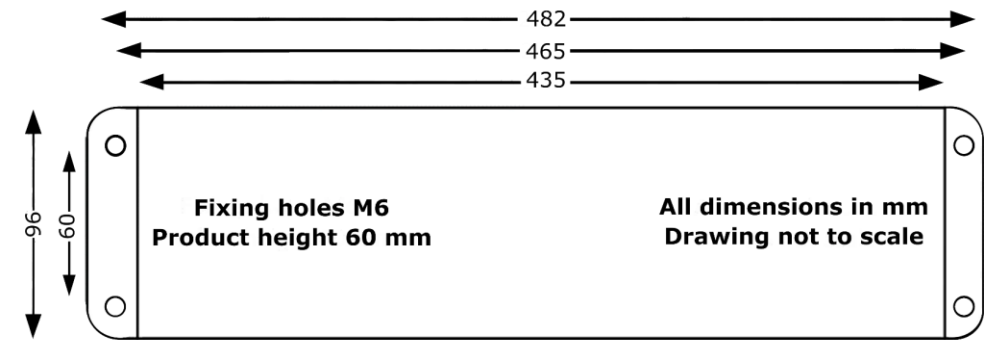
Pluggable 12 Socket 32A 19" Rack (C13)



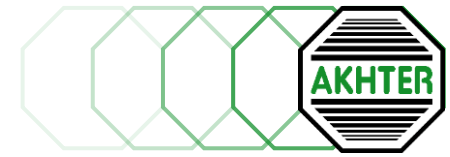
Part Number	Product Description
SCPVTEMPEST32A12C13	19" Rack Mount Filter, 12 x C13 Sockets, Maximum 32A Single Phase
CP&F Part No: SCPVTEMPEST32A12C13	230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	32A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Low Leakage Shielded Room 16A

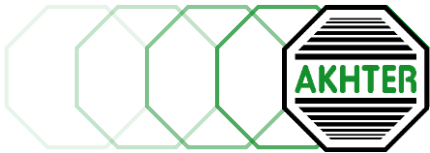
Silicon CPV's TEMPEST Shielded Room filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. Insertion loss of 100dB from 10kHz to 40GHz. Additionally the filter comes in 2 or 4 wire options with current ratings of up to 250A per phase. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 100dB from 10kHz to 40GHz
IEC 60939-2-2005/AMD1:2023
Fully 360° screened input cable to maintain red/black separation to filter
Self-healing metallised plastic film capacitors
High common & differential mode insertion loss
Improved low frequency performance
Powder coated aluminium enclosure
UKCA - CE compliant - Input voltage range (90-275VAC)
Simple mechanical and electrical installation
Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER

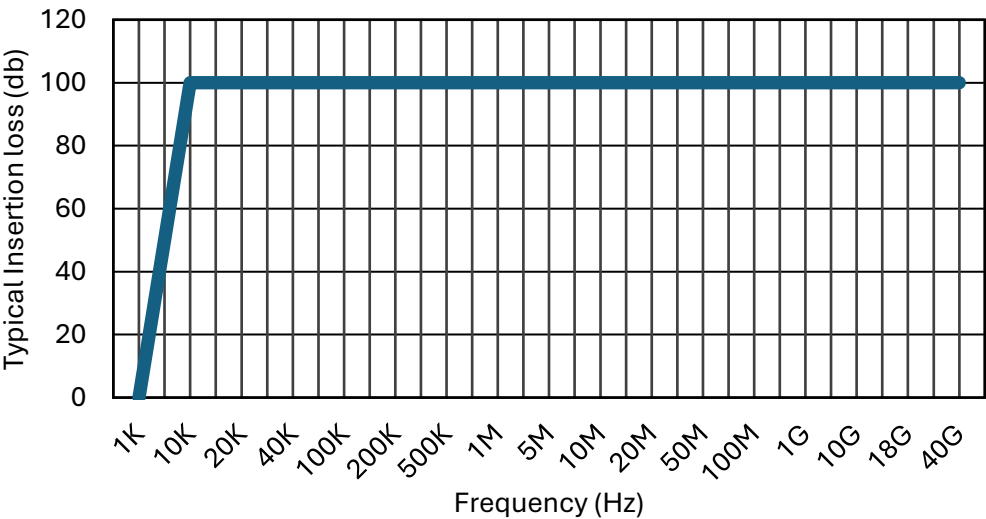
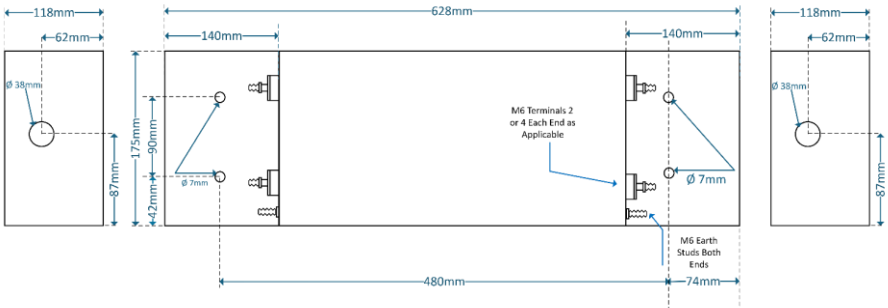


Low Leakage Shielded Room 16A

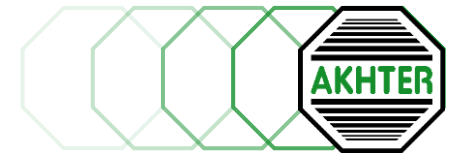
Part Number	Product Description
SCPVSHIELD16A2SR	Maximum 16A Single Phase
CP&F Part No: SCPVSHIELD16A2SR	230V Shielded Room Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	16A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	100dB, 10KHz - 40GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated
Dimension (L,W,H) in mm	628, 175, 108
Weight in Kg (approx.)	10



TEMPEST FILTER



Low Leakage Shielded Room 16A

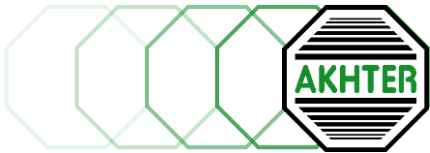
Silicon CPV's TEMPEST Shielded Room filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. Insertion loss of 100dB from 10kHz to 40GHz. Additionally the filter comes in 2 or 4 wire options with current ratings of up to 250A per phase. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 100dB from 10kHz to 40GHz
IEC 60939-2-2005/AMD1:2023
Fully 360° screened input cable to maintain red/black separation to filter
Self-healing metallised plastic film capacitors
High common & differential mode insertion loss
Improved low frequency performance
Powder coated aluminium enclosure
UKCA - CE compliant - Input voltage range (90-275VAC)
Simple mechanical and electrical installation
Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER

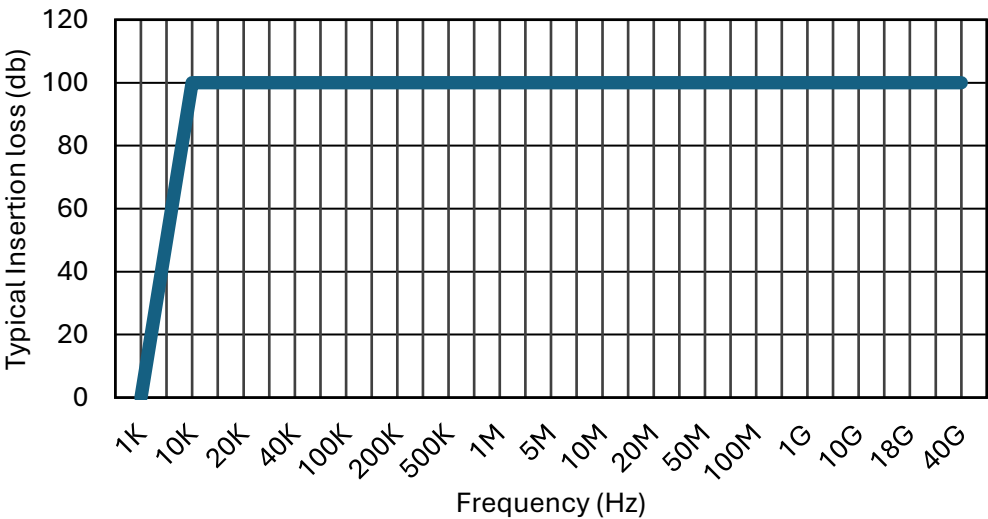
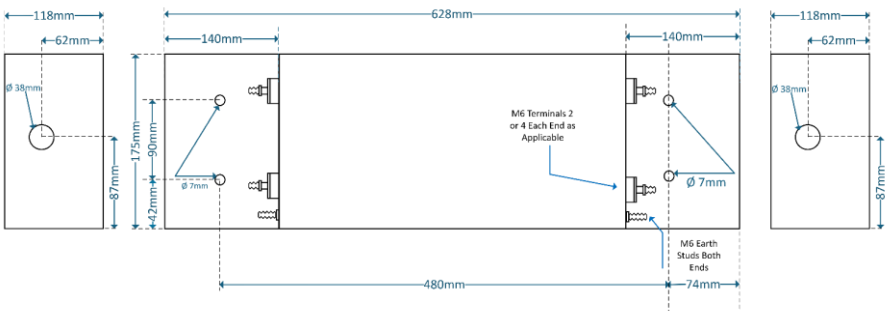


Low Leakage Shielded Room 16A

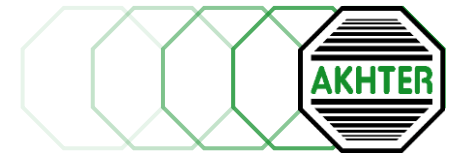
Part Number	Product Description
SCPVSHIELD16A4SR	Maximum 16A Three Phase
CP&F Part No: SCPVSHIELD16A4SR	230V Shielded Room Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	16A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	100dB, 10KHz - 40GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated
Dimension (L,W,H) in mm	628, 75, 118
Weight in Kg (approx.)	10



TEMPEST FILTER



Low Leakage Shielded Room 32A

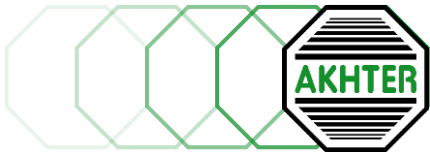
Silicon CPV's TEMPEST Shielded Room filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. Insertion loss of 100dB from 10kHz to 40GHz. Additionally the filter comes in 2 or 4 wire options with current ratings of up to 250A per phase. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 100dB from 10kHz to 40GHz
IEC 60939-2-2005/AMD1:2023
Fully 360° screened input cable to maintain red/black separation to filter
Self-healing metallised plastic film capacitors
High common & differential mode insertion loss
Improved low frequency performance
Powder coated aluminium enclosure
UKCA - CE compliant - Input voltage range (90-275VAC)
Simple mechanical and electrical installation
Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER

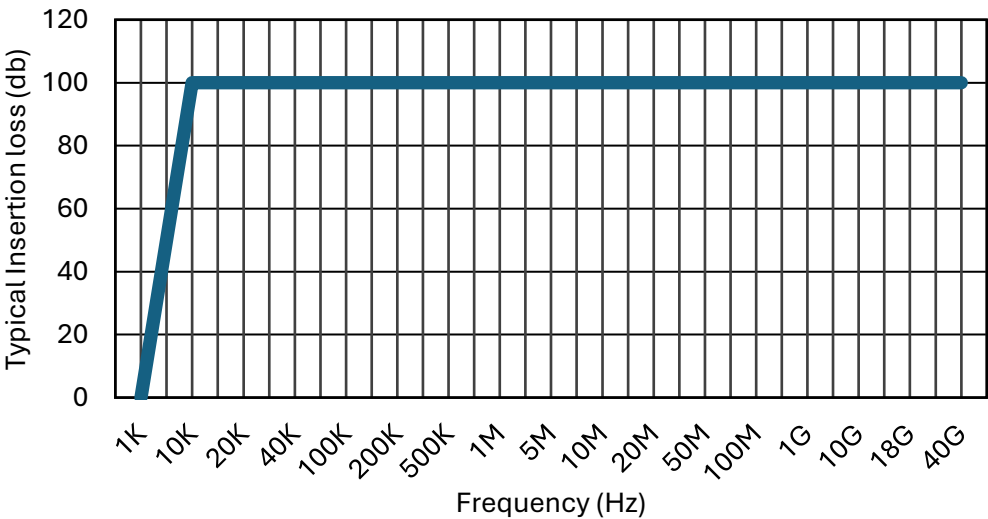
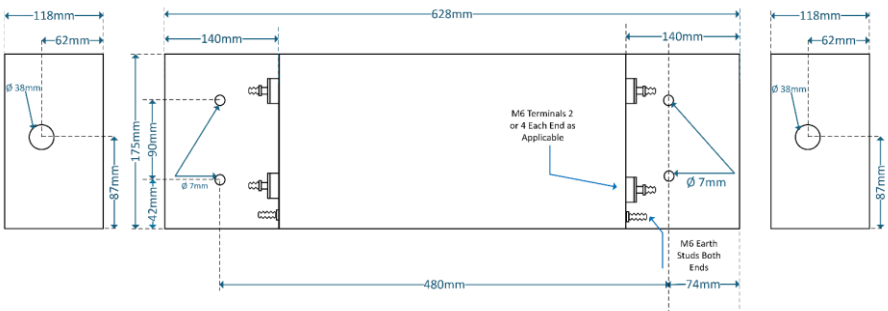


Low Leakage Shielded Room 32A

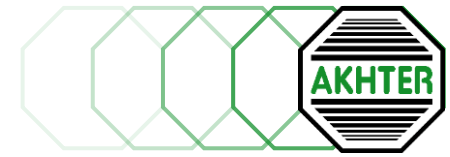
Part Number	Product Description
SCPVSHIELD32A2SR	Maximum 32A Single Phase
CP&F Part No: SCPVSHIELD32A2SR	230V Shielded Room Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	32A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	100dB, 10KHz - 40GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated
Dimension (L,W,H) in mm	628, 175, 108
Weight in Kg (approx.)	13



TEMPEST FILTER



Low Leakage Shielded Room 32A

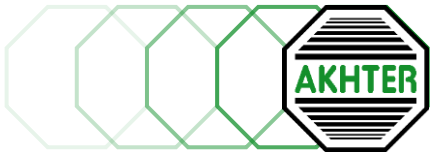
Silicon CPV's TEMPEST Shielded Room filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. Insertion loss of 100dB from 10kHz to 40GHz. Additionally the filter comes in 2 or 4 wire options with current ratings of up to 250A per phase. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 100dB from 10kHz to 40GHz
IEC 60939-2-2005/AMD1:2023
Fully 360° screened input cable to maintain red/black separation to filter
Self-healing metallised plastic film capacitors
High common & differential mode insertion loss
Improved low frequency performance
Powder coated aluminium enclosure
UKCA - CE compliant - Input voltage range (90-275VAC)
Simple mechanical and electrical installation
Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER

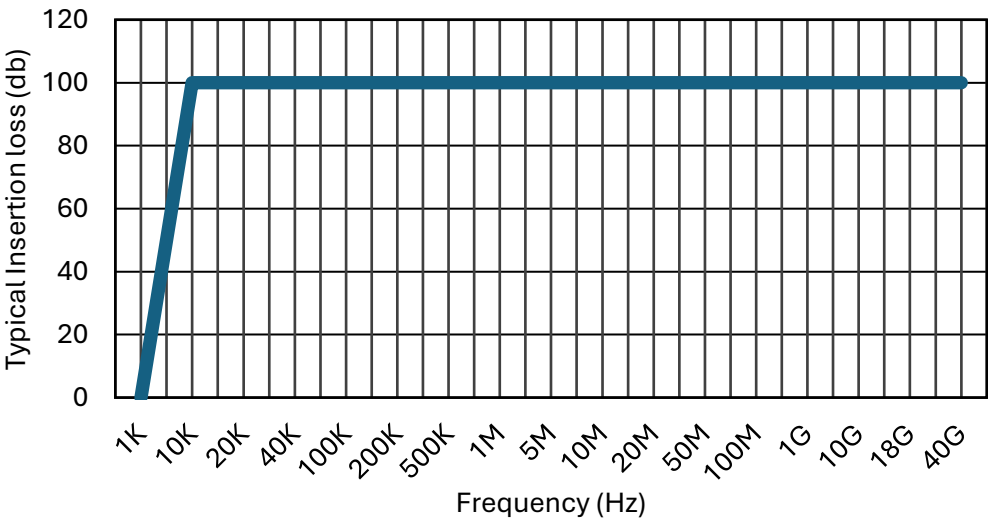
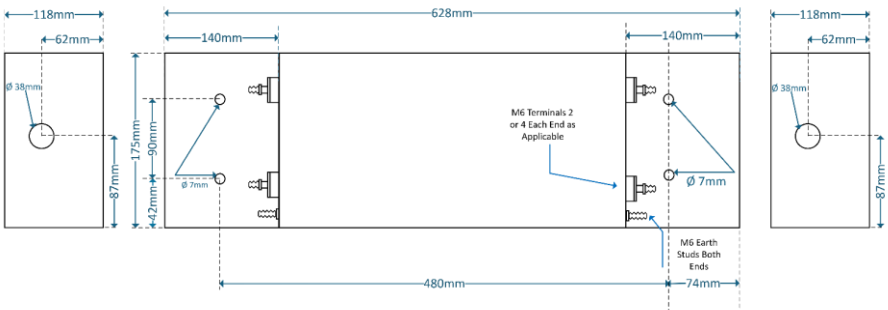


Low Leakage Shielded Room 32A

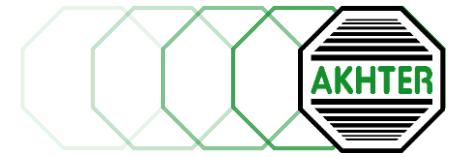
Part Number	Product Description
SCPVSHIELD32A4SR	Maximum 32A Three Phase
CP&F Part No: SCPVSHIELD32A4SR	230V Shielded Room Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	32A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	100dB, 10KHz - 40GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated
Dimension (L,W,H) in mm	628, 175, 108
Weight in Kg (approx.)	13



TEMPEST FILTER



Low Leakage Shielded Room 63A

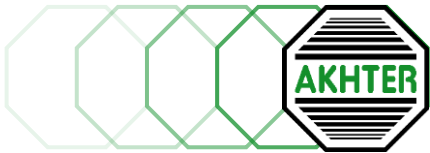
Silicon CPV's TEMPEST Shielded Room filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. Insertion loss of 100dB from 10kHz to 40GHz. Additionally the filter comes in 2 or 4 wire options with current ratings of up to 250A per phase. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 100dB from 10kHz to 40GHz
IEC 60939-2-2005/AMD1:2023
Fully 360° screened input cable to maintain red/black separation to filter
Self-healing metallised plastic film capacitors
High common & differential mode insertion loss
Improved low frequency performance
Powder coated aluminium enclosure
UKCA - CE compliant - Input voltage range (90-275VAC)
Simple mechanical and electrical installation
Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER

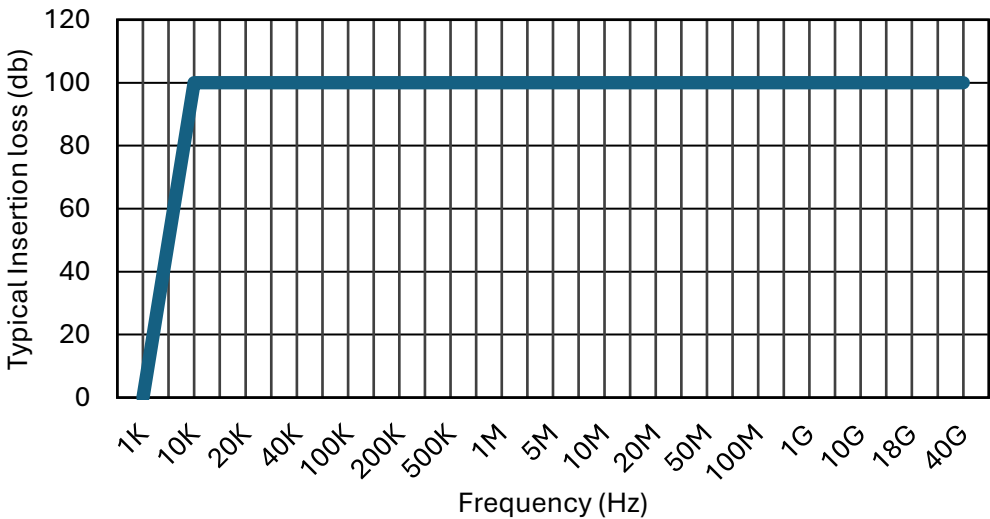
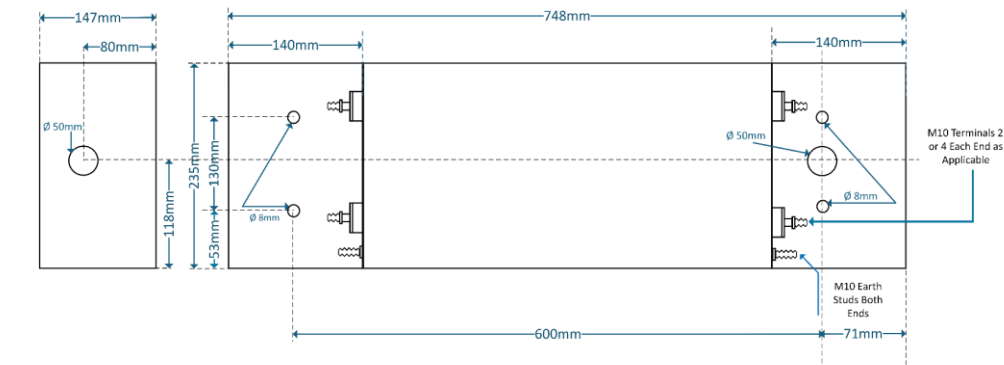


Low Leakage Shielded Room 63A

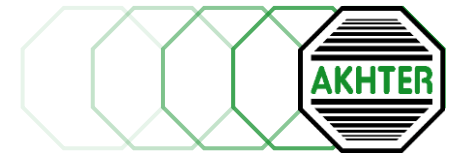
Part Number	Product Description
SCPVSHIELD63A2SR	Maximum 63A Single Phase
CP&F Part No: SCPVSHIELD63A2SR	230V Shielded Room Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	63A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	100dB, 10KHz - 40GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated
Dimension (L,W,H) in mm	660, 205, 126
Weight in Kg (approx.)	23.5



TEMPEST FILTER



Low Leakage Shielded Room 63A

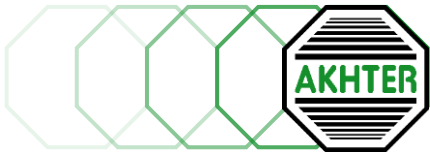
Silicon CPV's TEMPEST Shielded Room filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. Insertion loss of 100dB from 10kHz to 40GHz. Additionally the filter comes in 2 or 4 wire options with current ratings of up to 250A per phase. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 100dB from 10kHz to 40GHz
IEC 60939-2-2005/AMD1:2023
Fully 360° screened input cable to maintain red/black separation to filter
Self-healing metallised plastic film capacitors
High common & differential mode insertion loss
Improved low frequency performance
Powder coated aluminium enclosure
UKCA - CE compliant - Input voltage range (90-275VAC)
Simple mechanical and electrical installation
Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER



Low Leakage Shielded Room 63A

Part Number

SCPVSHIELD63A4SR

CP&F Part No: **SCPVSHIELD63A4SR**

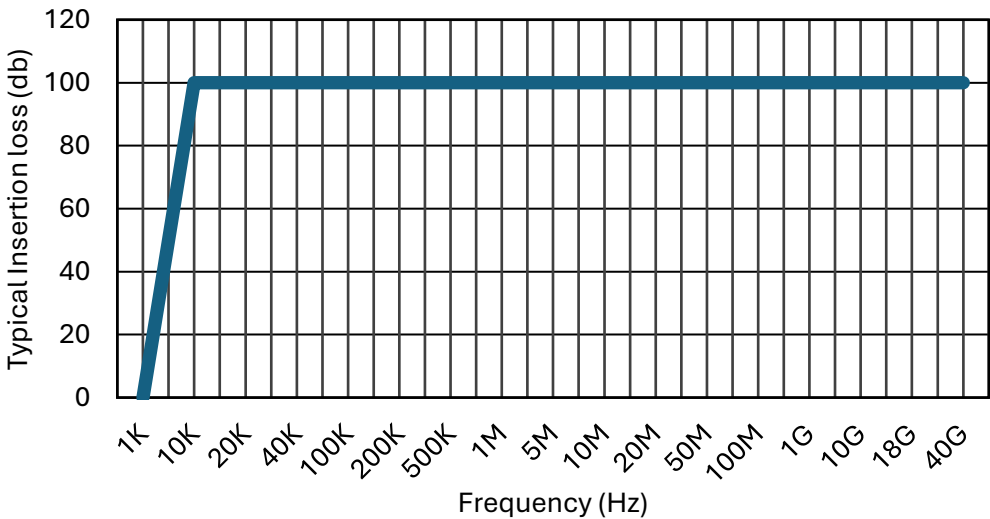
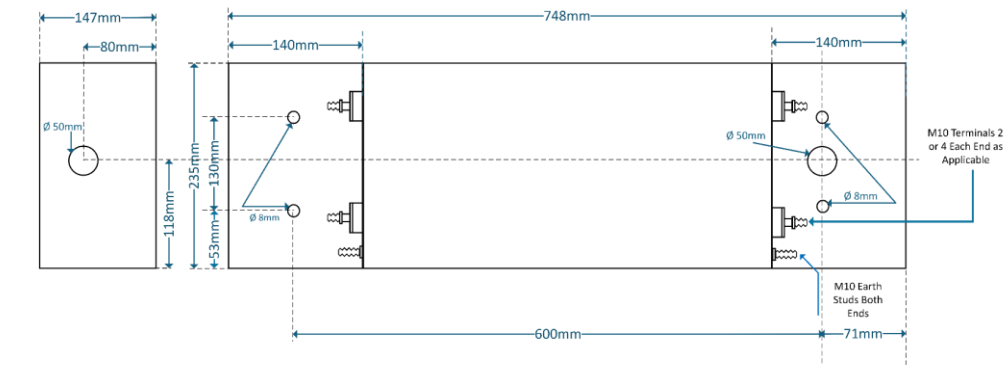
Product Description

Maximum 63A Three Phase

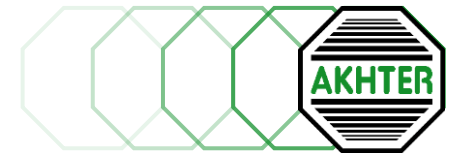
230V Shielded Room Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	63A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	100dB, 10KHz - 40GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated
Dimension (L,W,H) in mm	748, 235, 147
Weight in Kg (approx.)	25



TEMPEST FILTER



Low Leakage Shielded Room 100A

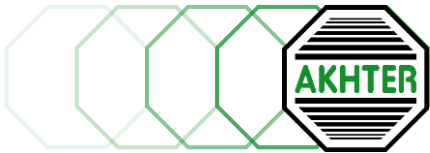
Silicon CPV's TEMPEST Shielded Room filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. Insertion loss of 100dB from 10kHz to 40GHz. Additionally the filter comes in 2 or 4 wire options with current ratings of up to 200A per phase. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 100dB from 10kHz to 40GHz
IEC 60939-2-2005/AMD1:2023
Fully 360° screened input cable to maintain red/black separation to filter
Self-healing metallised plastic film capacitors
High common & differential mode insertion loss
Improved low frequency performance
Powder coated aluminium enclosure
UKCA - CE compliant - Input voltage range (90-275VAC)
Simple mechanical and electrical installation
Filters comply with basic requirements of the EMC directive 2014/30/EU
Up to 100A for single phase
Hemp version is available



TEMPEST FILTER



Low Leakage Shielded Room 100A

Part Number

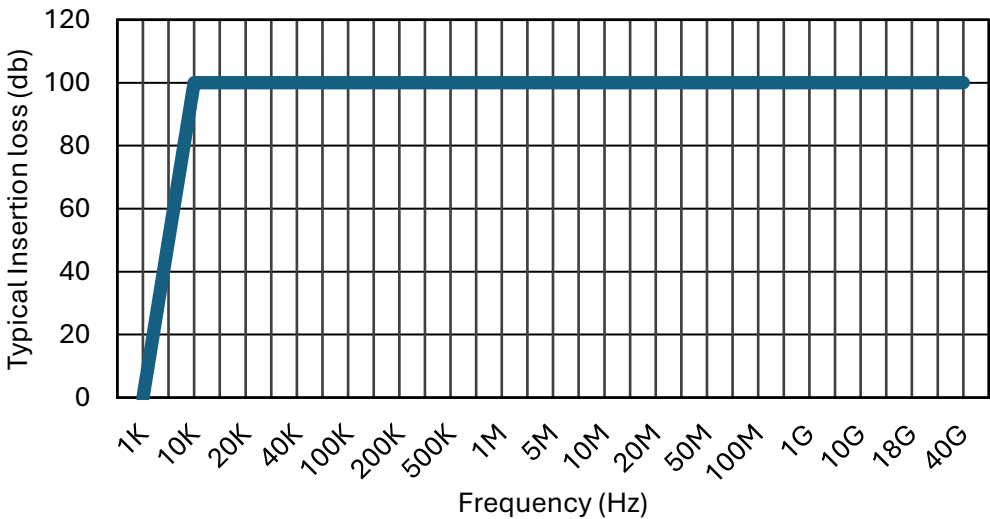
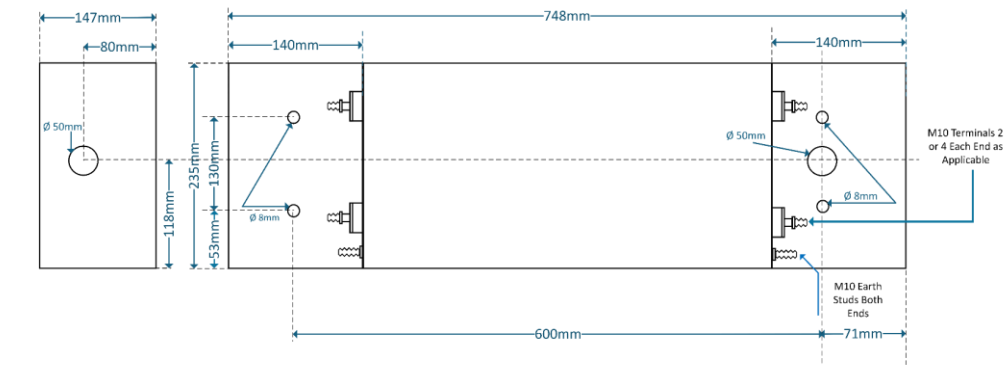
SCPVSHIELD100A2SR
CP&F Part No: **SCPVSHIELD100A2SR**

Product Description

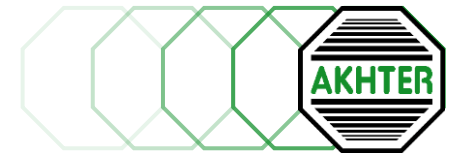
Maximum 100A Single Phase
230V Shielded Room Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	100A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	100dB, 10KHz - 40GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated
Dimension (L,W,H) in mm	748, 235, 147
Weight in Kg (approx.)	24



TEMPEST FILTER



Low Leakage Shielded Room 100A

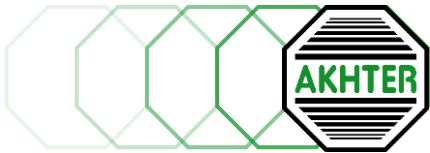
Silicon CPV's TEMPEST Shielded Room filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. Insertion loss of 100dB from 10kHz to 40GHz. Additionally the filter comes in 2 or 4 wire options with current ratings of up to 250A per phase. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 100dB from 10kHz to 40GHz
IEC 60939-2-2005/AMD1:2023
Fully 360° screened input cable to maintain red/black separation to filter
Self-healing metallised plastic film capacitors
High common & differential mode insertion loss
Improved low frequency performance
Powder coated aluminium enclosure
UKCA - CE compliant - Input voltage range (90-275VAC)
Simple mechanical and electrical installation
Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER

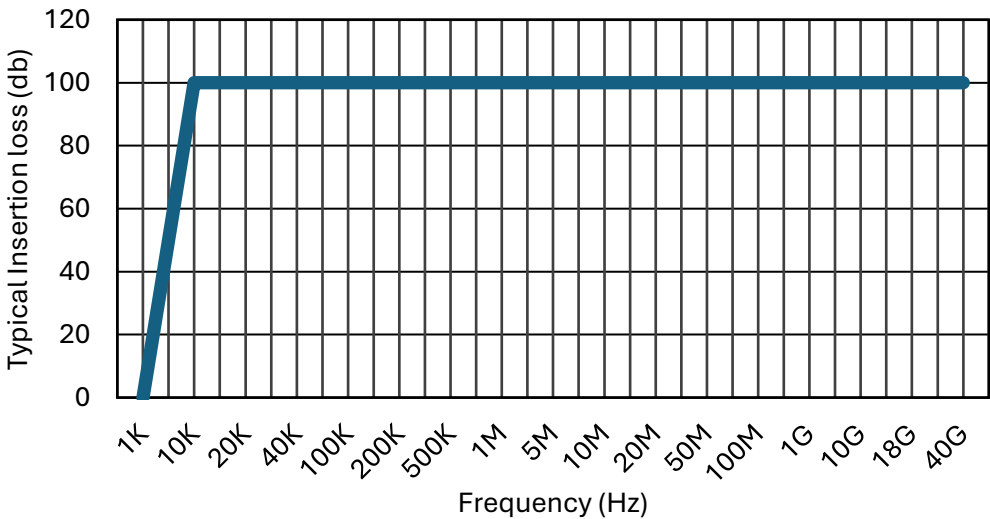
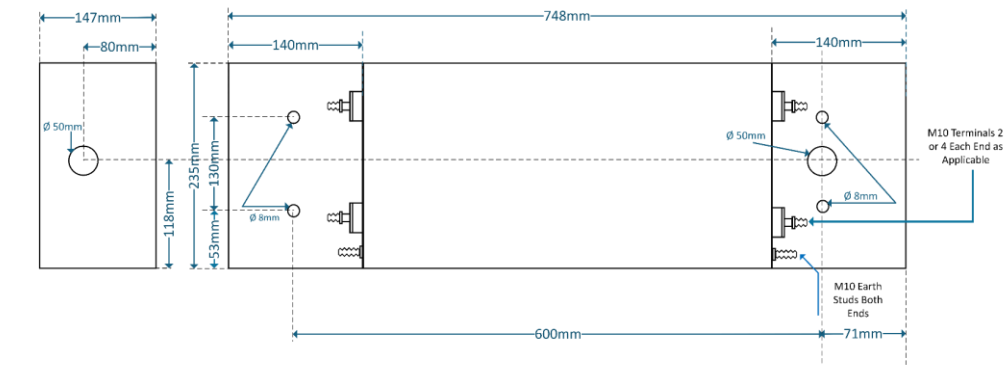


Low Leakage Shielded Room 100A

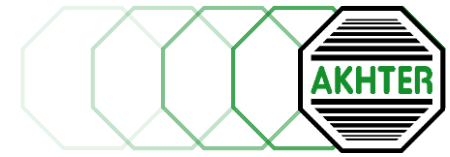
Part Number	Product Description
SCPVSHIELD100A4SR	Maximum 100A Three Phase
CP&F Part No: SCPVSHIELD100A4SR	230V Shielded Room Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	100A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	100dB, 10KHz - 40GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated
Dimension (L,W,H) in mm	748, 235, 147
Weight in Kg (approx.)	26



TEMPEST FILTER



Low Leakage Shielded Room 150A

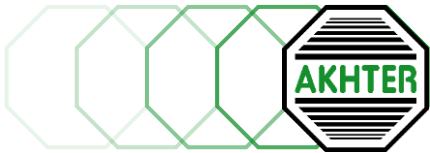
Silicon CPV's TEMPEST Shielded Room filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. Insertion loss of 100dB from 10kHz to 40GHz. Additionally the filter comes in 2 or 4 wire options with current ratings of up to 250A per phase. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 100dB from 10kHz to 40GHz
IEC 60939-2-2005/AMD1:2023
Fully 360° screened input cable to maintain red/black separation to filter
Self-healing metallised plastic film capacitors
High common & differential mode insertion loss
Improved low frequency performance
Powder coated aluminium enclosure
UKCA - CE compliant - Input voltage range (90-275VAC)
Simple mechanical and electrical installation
Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER



Low Leakage Shielded Room 150A

Part Number

SCPVSHIELD150A4SR

CP&F Part No: **SCPVSHIELD150A4SR**

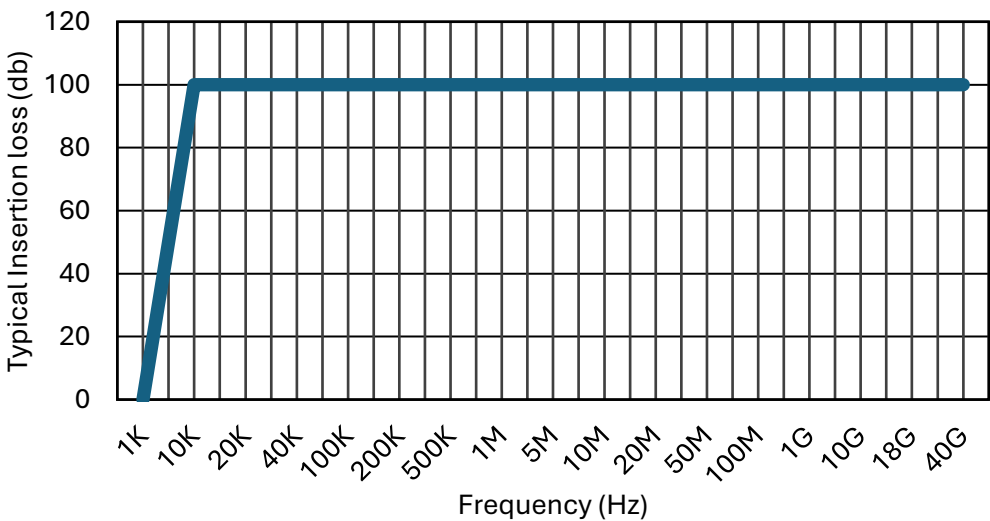
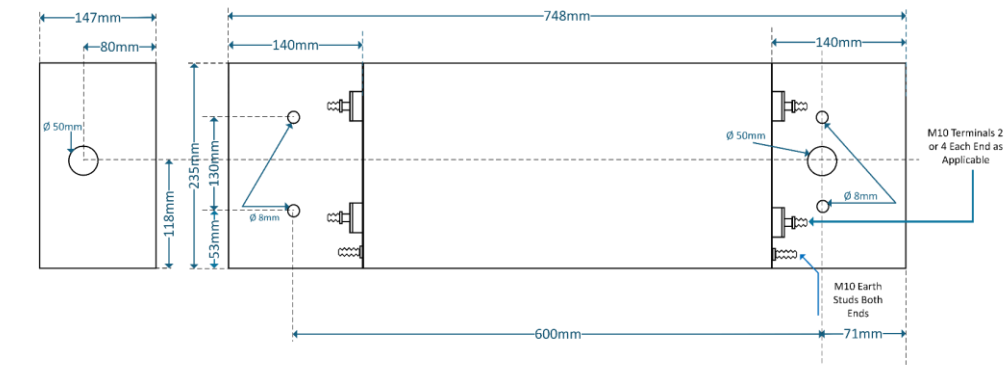
Product Description

Maximum 150A Three Phase

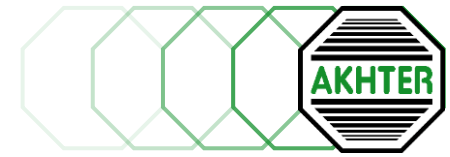
230V Shielded Room Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	150A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	100dB, 10KHz - 40GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated
Dimension (L,W,H) in mm	748, 235, 147
Weight in Kg (approx.)	28



TEMPEST FILTER



Low Leakage Shielded Room 200A

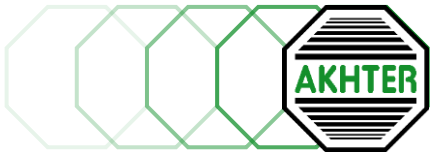
Silicon CPV's TEMPEST Shielded Room filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. Insertion loss of 100dB from 10kHz to 40GHz. Additionally the filter comes in 2 or 4 wire options with current ratings of up to 200A per phase. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 100dB from 10kHz to 40GHz
IEC 60939-2-2005/AMD1:2023
Fully 360° screened input cable to maintain red/black separation to filter
Self-healing metallised plastic film capacitors
High common & differential mode insertion loss
Improved low frequency performance
Powder coated aluminium enclosure
UKCA - CE compliant - Input voltage range (90-275VAC)
Simple mechanical and electrical installation
Filters comply with basic requirements of the EMC directive 2014/30/EU
Up to 200A for three phase versions
Hemp version is available



TEMPEST FILTER



Low Leakage Shielded Room 200A

Part Number

SCPVSHIELD200A4SR

CP&F Part No: **SCPVSHIELD200A4SR**

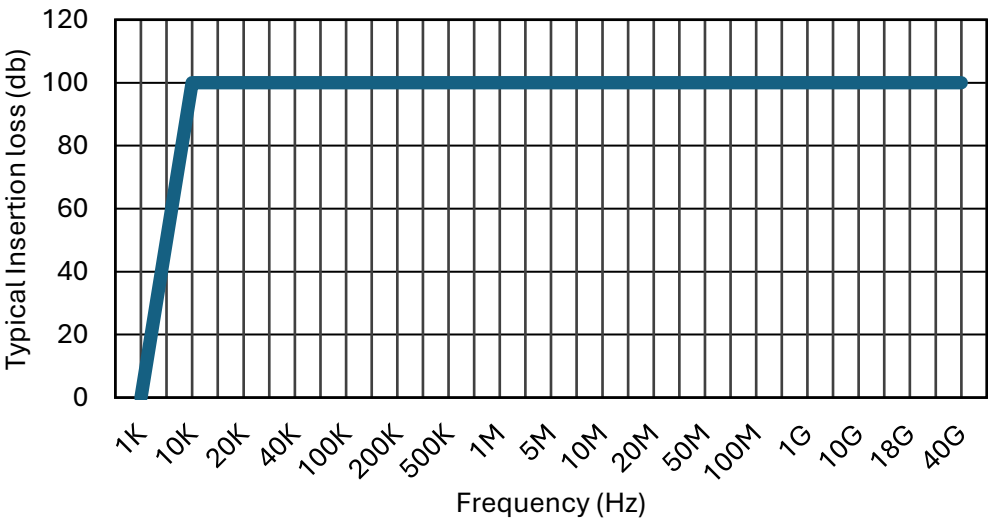
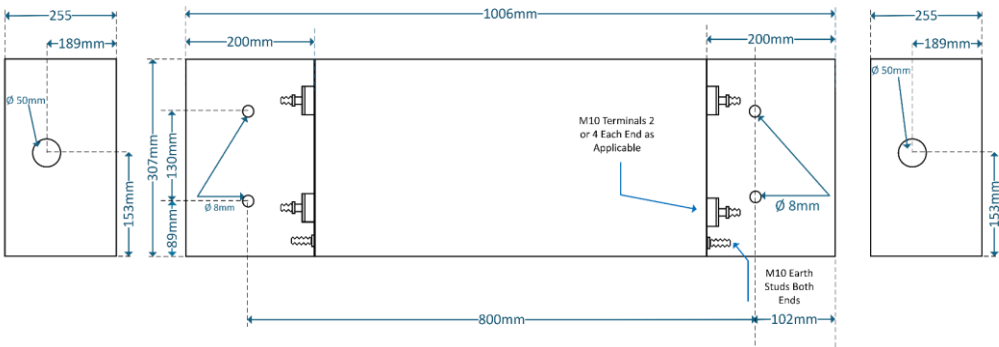
Product Description

Maximum 200A Three Phase

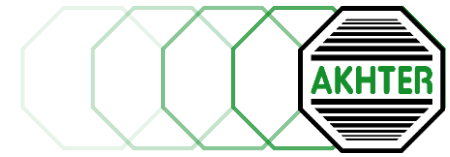
230V Shielded Room Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	200A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	100dB, 10KHz - 40GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated
Dimension (L,W,H) in mm	1006, 307, 255
Weight in Kg (approx.)	31



TEMPEST FILTER



Low Leakage Shielded Room 250A

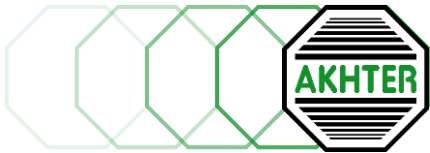
Silicon CPV's TEMPEST Shielded Room filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. Insertion loss of 100dB from 10kHz to 40GHz. Additionally the filter comes in 2 or 4 wire options with current ratings of up to 250A per phase. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 100dB from 10kHz to 40GHz
IEC 60939-2-2005/AMD1:2023
Fully 360° screened input cable to maintain red/black separation to filter
Self-healing metallised plastic film capacitors
High common & differential mode insertion loss
Improved low frequency performance
Powder coated aluminium enclosure
UKCA - CE compliant - Input voltage range (90-275VAC)
Simple mechanical and electrical installation
Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER



Low Leakage Shielded Room 250A

Part Number

SCPVSHIELD250A4SR

CP&F Part No: **SCPVSHIELD250A4SR**

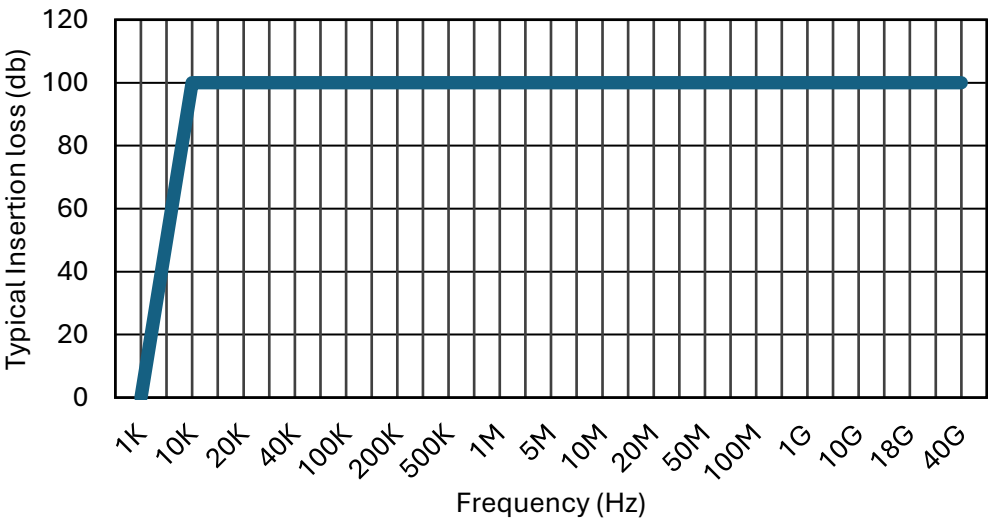
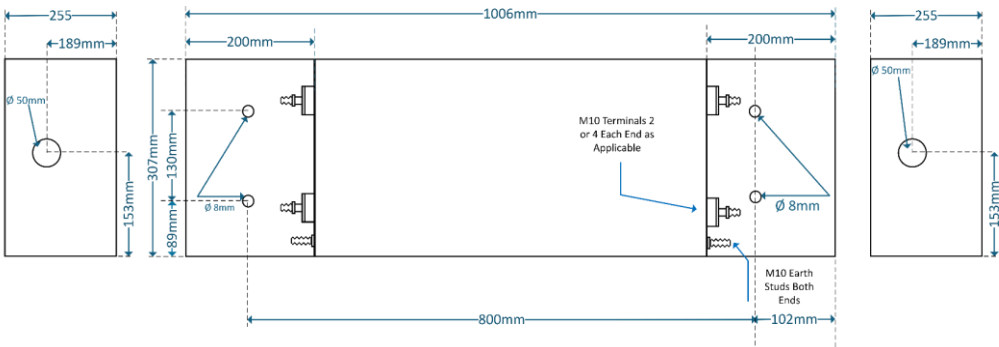
Product Description

Maximum 250A Three Phase

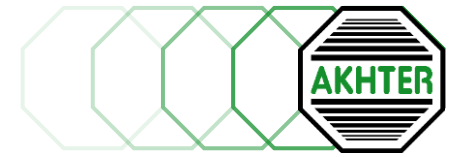
230V Shielded Room Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	250A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	100dB, 10KHz - 40GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated
Dimension (L,W,H) in mm	1006, 307, 255
Weight in Kg (approx.)	31



TEMPEST FILTER



Pluggable 2 Socket 13A HEMP

Silicon CPV's 2 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

13A BS1363 3 pin plug input & 2 x BS1363 sockets

HEMP protection E1/ E2 pulses

Built-in current and voltage meter

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

13A designed filters are tolerable for personnel protection RCCD

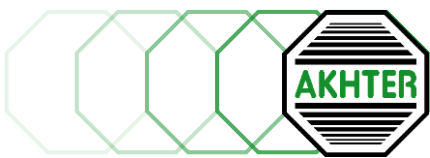
UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER



Pluggable 2 Socket 13A HEMP

Part Number

SCPVTEMPEST13A2SH

CP&F Part No: **SCPVTEMPEST13A2SH**

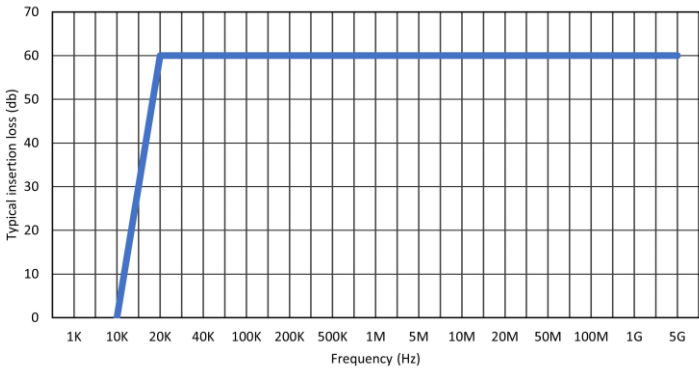
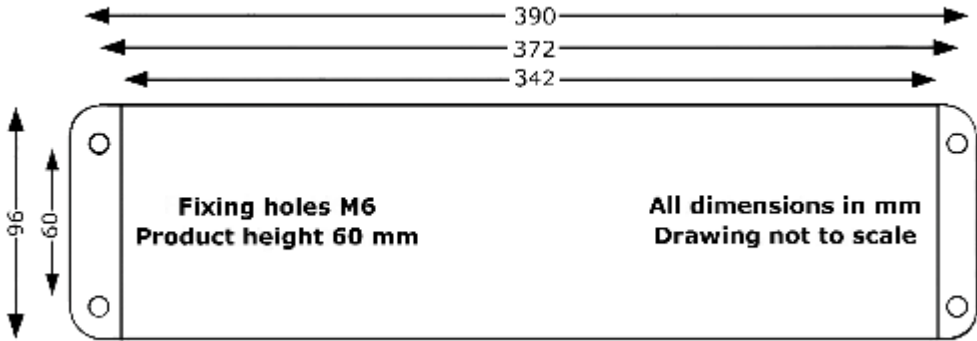
Product Description

2 x BS1363 Sockets, Maximum 13A Single Phase

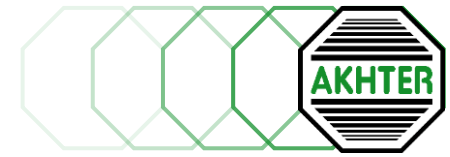
230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	13A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-25°C to 85°C
Operating Temp Range	20°C to 50°C
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 2 Socket 13A HEMP

Silicon CPV's 2 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

13A BS1363 3 pin plug input & 2 x BS1363 sockets

HEMP protection E1/ E2 pulses

Built-in current and voltage meter

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

13A designed filters are tolerable for personnel protection RCCD

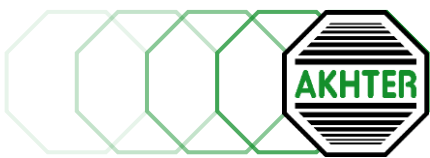
UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER



Pluggable 2 Socket 13A HEMP

Part Number

SCPVTEMPEST13A2SH

CP&F Part No: **SCPVTEMPEST13A2SH**

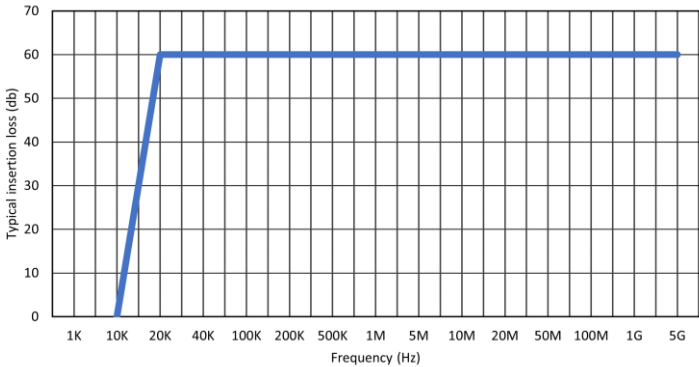
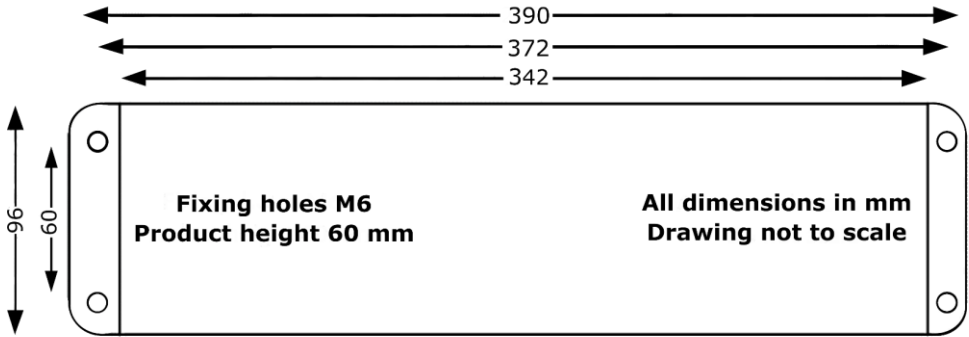
Product Description

2 x BS1363 Sockets, Maximum 13A Single Phase

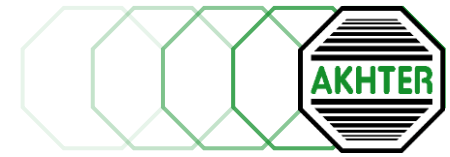
230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	13A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Pluggable 4 Socket 13A HEMP

Silicon CPV's 4 sockets, TEMPEST pluggable filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 60dB from 100kHz to 1GHz

13A BS1363 3 pin plug input & 4 x BS1363 sockets

HEMP protection E1/ E2 pulses

Built-in current and voltage meter

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

13A designed filters are tolerable for personnel protection RCCD

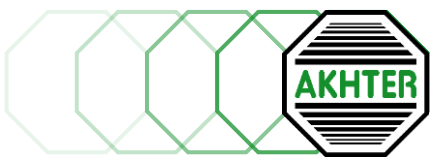
UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER



Pluggable 4 Socket 13A HEMP

Part Number

SCPVTEMPEST13A4SH

CP&F Part No: **SCPVTEMPEST13A4SH**

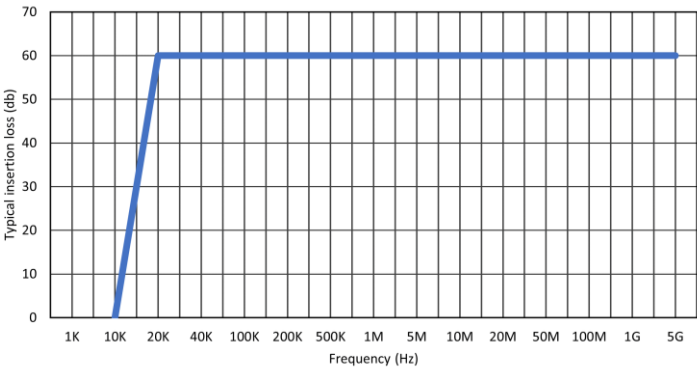
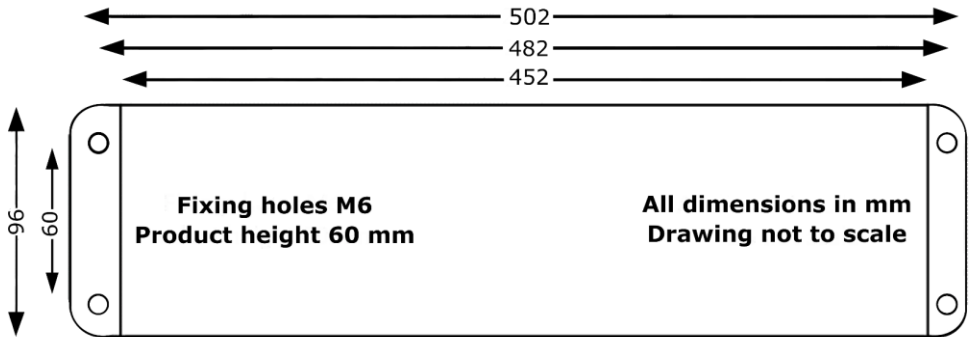
Product Description

4 x BS1363 Sockets, Maximum 13A Single Phase

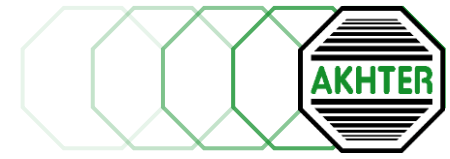
230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	13A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated



TEMPEST FILTER



Low Leakage Shielded Room 16A HEMP

Silicon CPV's TEMPEST Shielded Room filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. Insertion loss of 100dB from 10kHz to 40GHz. Additionally the filter comes in 2 or 4 wire options with current ratings of up to 250A per phase. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

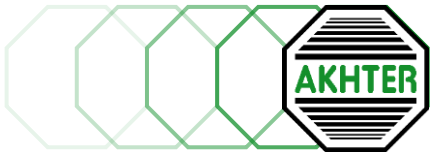
TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 100dB from 10kHz to 40GHz
IEC 60939-2-2005/AMD1:2023

HEMP Protection E1/ E2 pulses

- Fully 360° screened input cable to maintain red/black separation to filter
- Self-healing metallised plastic film capacitors
- High common & differential mode insertion loss
- Improved low frequency performance
- Powder coated aluminium enclosure
- UKCA - CE compliant - Input voltage range (90-275VAC)
- Simple mechanical and electrical installation
- Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER

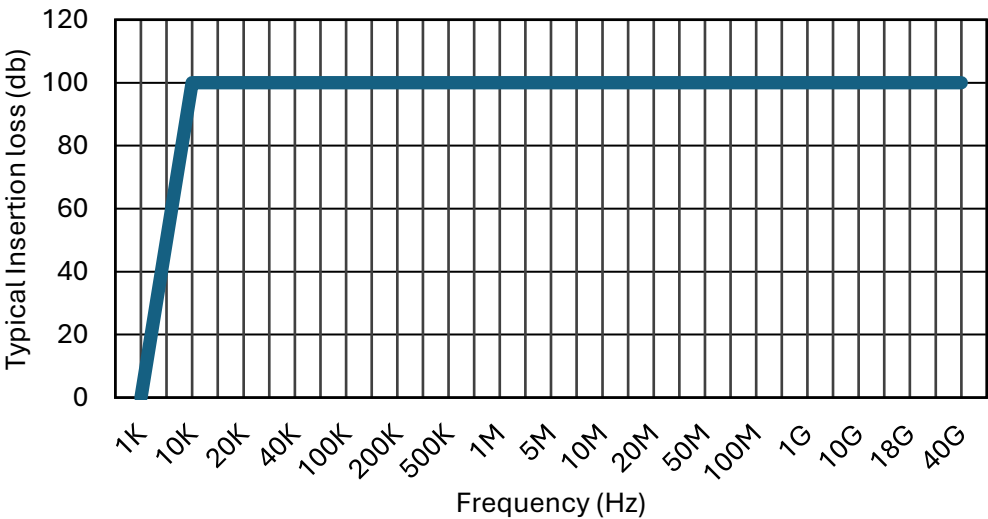
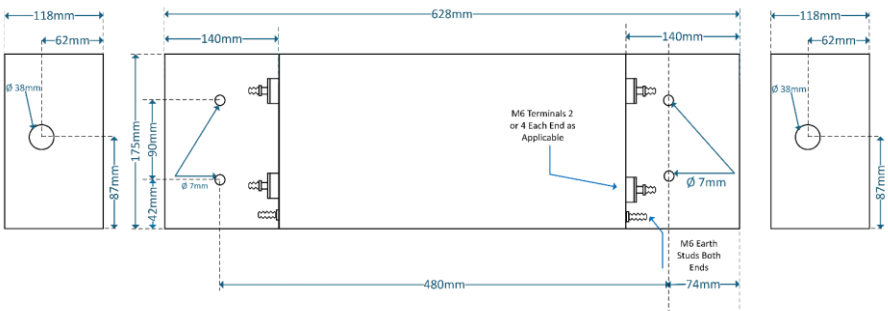


Low Leakage Shielded Room 16A HEMP

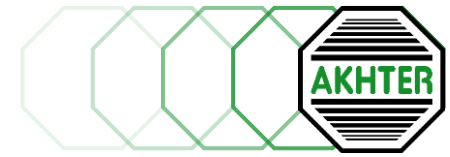
Part Number	Product Description
SCPVSHIELD16A2SRH	Maximum 16A Single Phase
CP&F Part No: SCPVSHIELD16A2SRH	230V Enhanced Shielded Room Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	16A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	100dB, 10KHz - 40GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated
Dimension (L,W,H) in mm	628, 175, 118
Weight in Kg (approx.)	10



TEMPEST FILTER



Low Leakage Shielded Room 16A HEMP

Silicon CPV's TEMPEST Shielded Room filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. Insertion loss of 100dB from 10kHz to 40GHz. Additionally the filter comes in 2 or 4 wire options with current ratings of up to 250A per phase. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 100dB from 10kHz to 40GHz

IEC 60939-2-2005/AMD1:2023

HEMP Protection E1/ E2 pulses

Fully 360° screened input cable to maintain red/black separation to filter

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

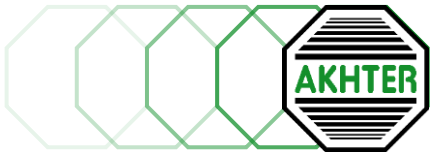
UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER



Low Leakage Shielded Room 16A HEMP

Part Number

SCPVSHIELD16A4SRH

CP&F Part No: **SCPVSHIELD16A4SRH**

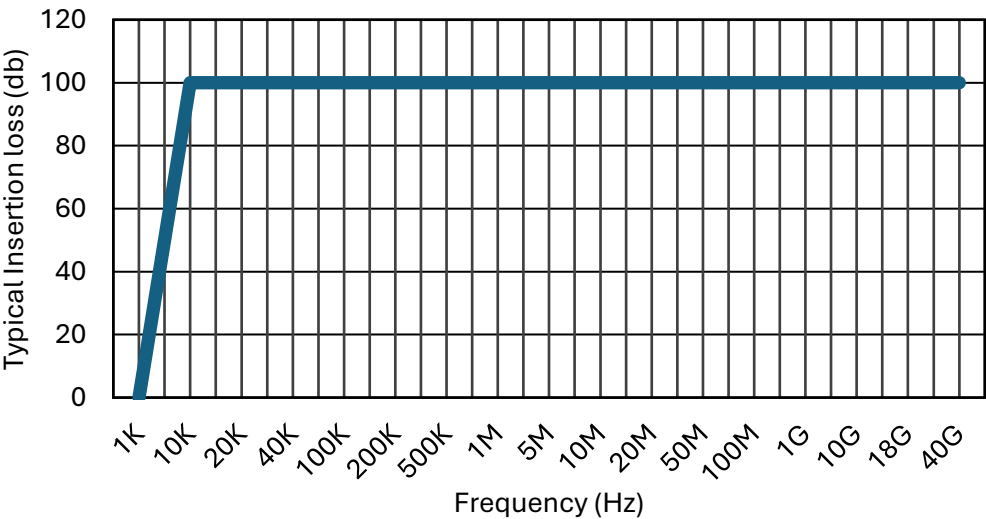
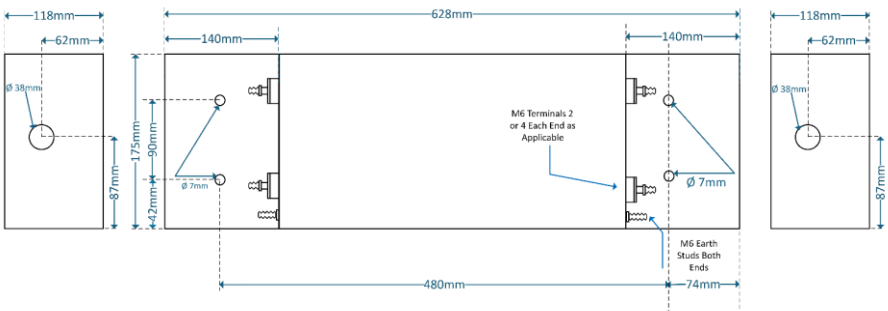
Product Description

Maximum 16A Three Phase

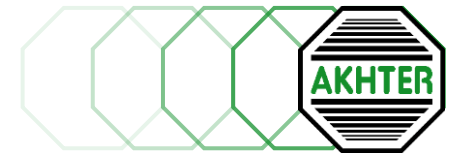
230V Enhanced Shielded Room Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	16A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	100dB, 10KHz - 40GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated
Dimension (L,W,H) in mm	628, 175, 118
Weight in Kg (approx.)	10



TEMPEST FILTER



Low Leakage Shielded Room 32A HEMP

Silicon CPV's TEMPEST Shielded Room filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. Insertion loss of 100dB from 10kHz to 40GHz. Additionally the filter comes in 2 or 4 wire options with current ratings of up to 250A per phase. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

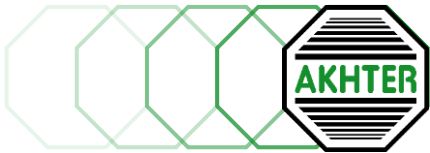
TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 100dB from 10kHz to 40GHz
IEC 60939-2-2005/AMD1:2023

HEMP Protection E1/ E2 pulses

Fully 360° screened input cable to maintain red/black separation to filter
Self-healing metallised plastic film capacitors
High common & differential mode insertion loss
Improved low frequency performance
Powder coated aluminium enclosure
UKCA - CE compliant - Input voltage range (90-275VAC)
Simple mechanical and electrical installation
Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER



Low Leakage Shielded Room 32A HEMP

Part Number

SCPVSHIELD32A2SRH

CP&F Part No: **SCPVSHIELD32A2SRH**

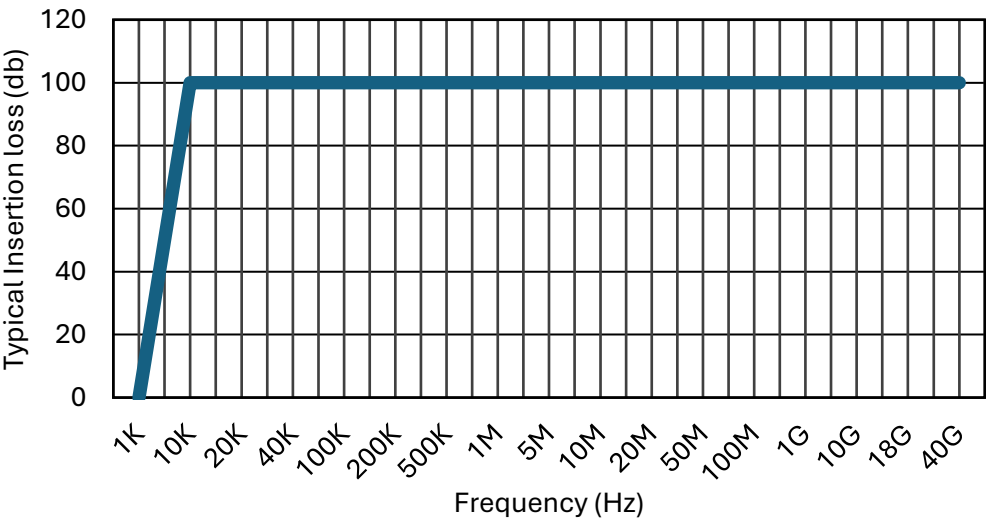
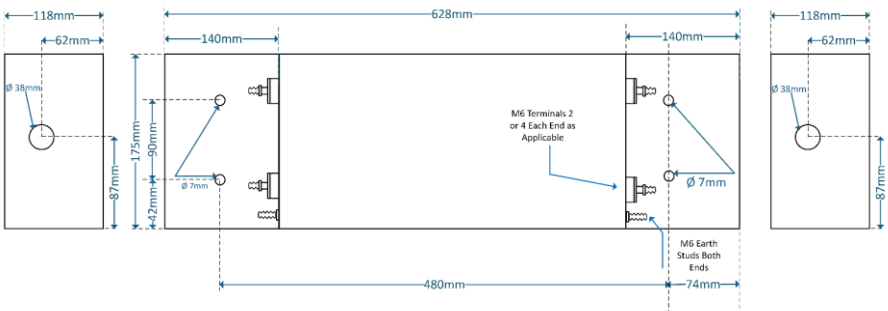
Product Description

Maximum 32A Single Phase

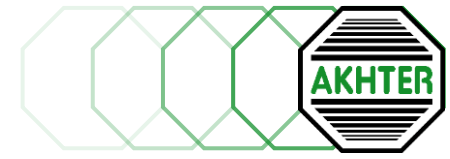
230V Enhanced Shielded Room Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	32A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	100dB, 10KHz - 40GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated
Dimension (L,W,H) in mm	628, 175, 118
Weight in Kg (approx.)	13



TEMPEST FILTER



Low Leakage Shielded Room 32A HEMP

Silicon CPV's TEMPEST Shielded Room filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. Insertion loss of 100dB from 10kHz to 40GHz. Additionally the filter comes in 2 or 4 wire options with current ratings of up to 250A per phase. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 100dB from 10kHz to 40GHz

IEC 60939-2-2005/AMD1:2023

HEMP Protection E1/ E2 pulses

Fully 360° screened input cable to maintain red/black separation to filter

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

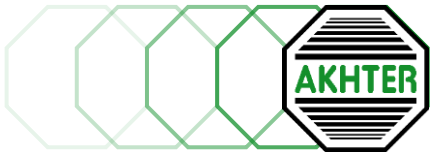
UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER

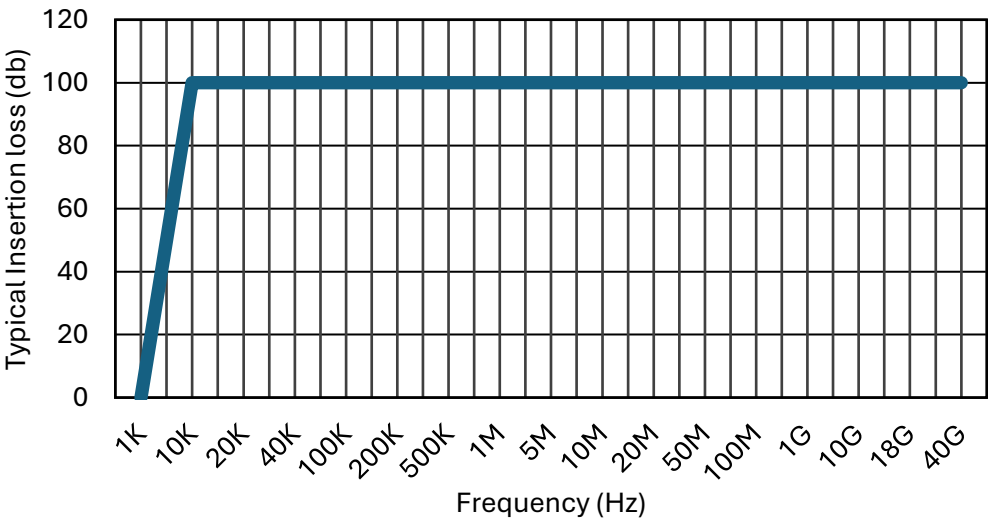
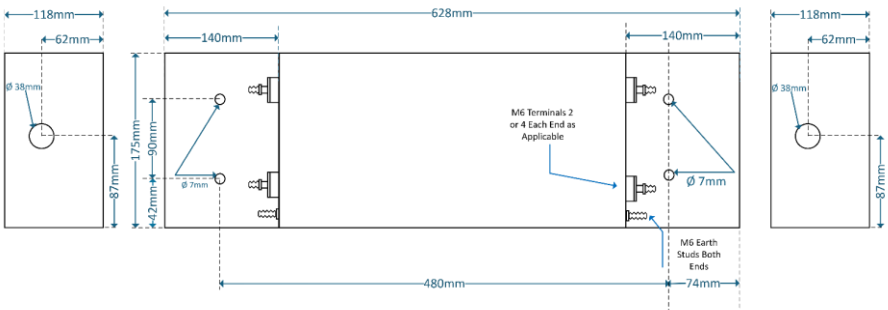


Low Leakage Shielded Room 32A HEMP

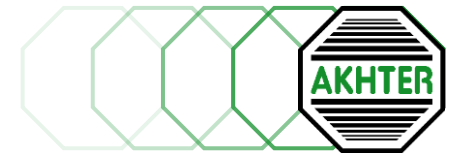
Part Number	Product Description
SCPVSHIELD32A4SRH	Maximum 32A Three Phase
CP&F Part No: SCPVSHIELD32A4SRH	230V Enhanced Shielded Room Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	32A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	100dB, 10KHz - 40GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated
Dimension (L,W,H) in mm	628, 175, 118
Weight in Kg (approx.)	13



TEMPEST FILTER



Low Leakage Shielded Room 63A HEMP

Silicon CPV's TEMPEST Shielded Room filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. Insertion loss of 100dB from 10kHz to 40GHz. Additionally the filter comes in 2 or 4 wire options with current ratings of up to 250A per phase. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 100dB from 10kHz to 40GHz

IEC 60939-2-2005/AMD1:2023

HEMP Protection E1/ E2 pulses

Fully 360° screened input cable to maintain red/black separation to filter

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

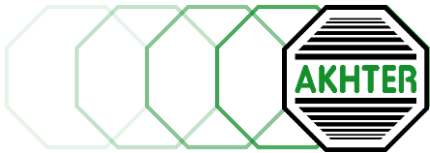
UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER



Low Leakage Shielded Room 63A HEMP

Part Number

SCPVSHIELD63A2SRH

CP&F Part No: **SCPVSHIELD63A2SRH**

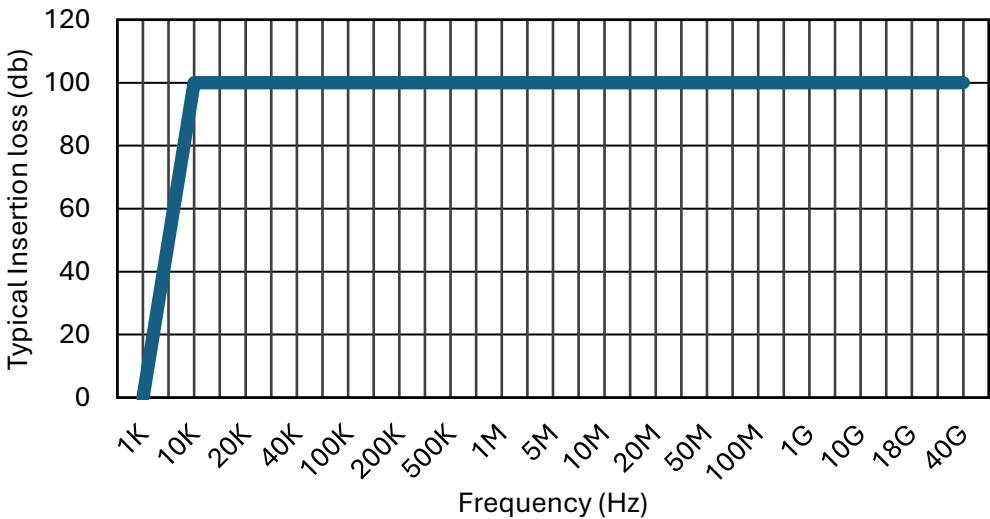
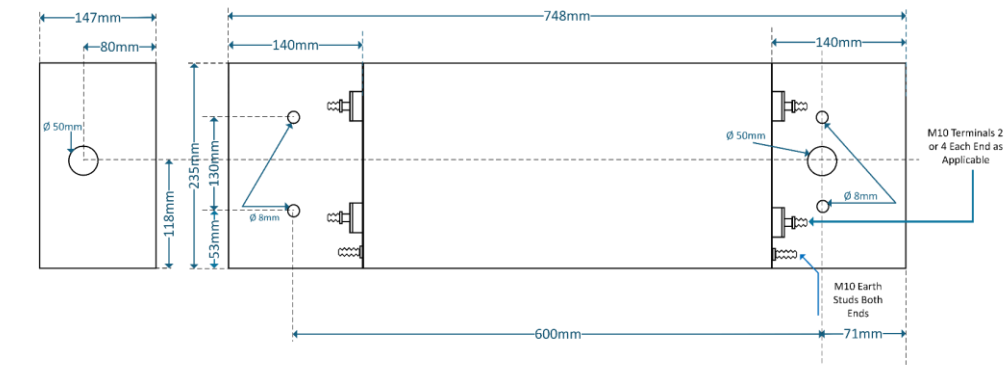
Product Description

Maximum 63A Single Phase

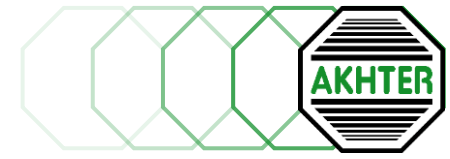
230V Enhanced Shielded Room Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	63A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-25°C to 85°C
Operating Temp Range	20°C to 50°C
Insertion Loss (50Ω Asymmetric)	100dB, 10KHz - 40GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated
Dimension (L,W,H) in mm	748, 235, 147
Weight in Kg (approx.)	23.5



TEMPEST FILTER



Low Leakage Shielded Room 63A HEMP

Silicon CPV's TEMPEST Shielded Room filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. Insertion loss of 100dB from 10kHz to 40GHz. Additionally the filter comes in 2 or 4 wire options with current ratings of up to 250A per phase. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 100dB from 10kHz to 40GHz

IEC 60939-2-2005/AMD1:2023

HEMP Protection E1/ E2 pulses

Fully 360° screened input cable to maintain red/black separation to filter

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

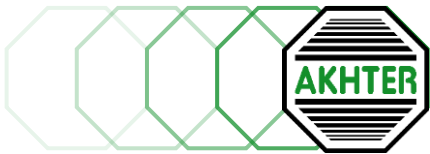
UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER

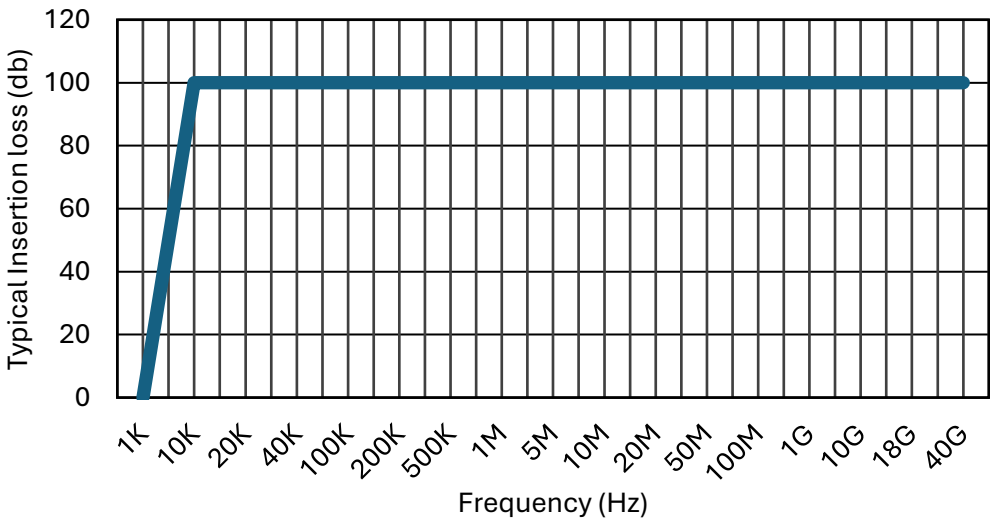
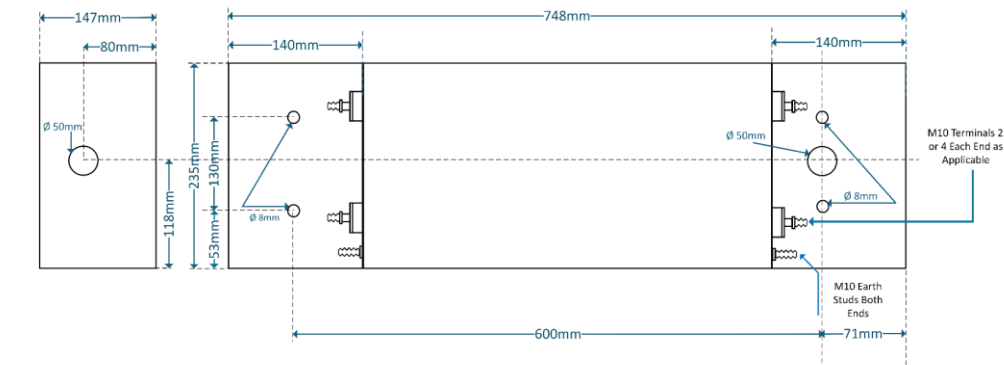


Low Leakage Shielded Room 63A HEMP

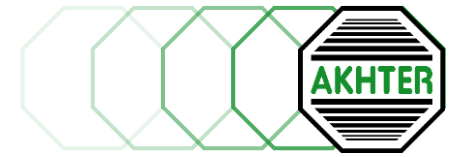
Part Number	Product Description
SCPVSHIELD63A4SRH	Maximum 63A Three Phase
CP&F Part No: SCPVSHIELD63A4SRH	230V Enhanced Shielded Room Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	63A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	100dB, 10KHz - 40GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated
Dimension (L,W,H) in mm	748, 235, 147
Weight in Kg (approx.)	25



TEMPEST FILTER



Low Leakage Shielded Room 100A HEMP

Silicon CPV's TEMPEST Shielded Room filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. Insertion loss of 100dB from 10kHz to 40GHz. Additionally the filter comes in 2 or 4 wire options with current ratings of up to 250A per phase. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

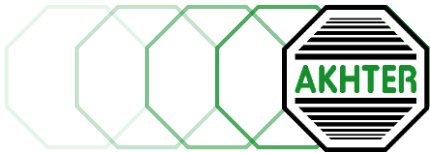
TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 100dB from 10kHz to 40GHz
IEC 60939-2-2005/AMD1:2023

HEMP Protection E1/ E2 pulses

- Fully 360° screened input cable to maintain red/black separation to filter
- Self-healing metallised plastic film capacitors
- High common & differential mode insertion loss
- Improved low frequency performance
- Powder coated aluminium enclosure
- UKCA - CE compliant - Input voltage range (90-275VAC)
- Simple mechanical and electrical installation
- Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER

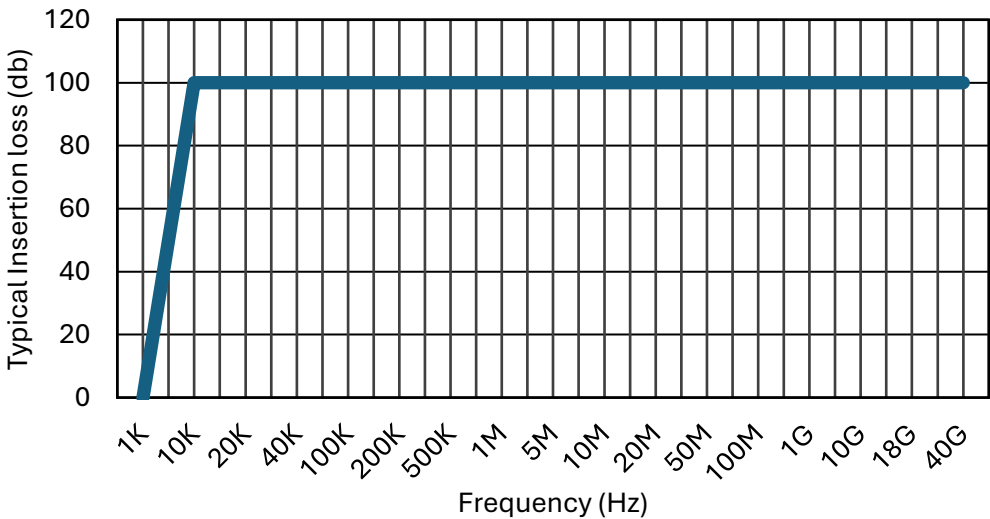
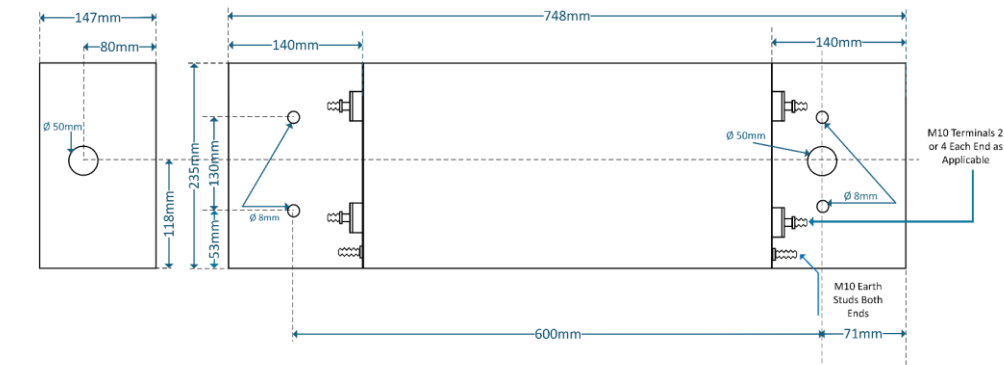


Low Leakage Shielded Room 100A HEMP

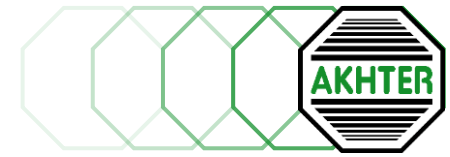
Part Number	Product Description
SCPVSHIELD100A2SRH	Maximum 100A Single Phase
CP&F Part No: SCPVSHIELD100A2SRH	230V Enhanced Shielded Room Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	100A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	100dB, 10KHz - 40GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated
Dimension (L,W,H) in mm	748, 235, 147
Weight in Kg (approx.)	24



TEMPEST FILTER



Low Leakage Shielded Room 100A HEMP

Silicon CPV's TEMPEST Shielded Room filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. Insertion loss of 100dB from 10kHz to 40GHz. Additionally the filter comes in 2 or 4 wire options with current ratings of up to 250A per phase. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

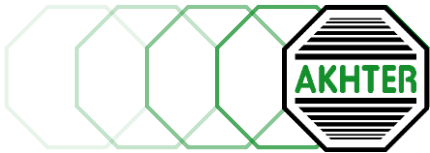
TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
Insertion loss of 100dB from 10kHz to 40GHz
IEC 60939-2-2005/AMD1:2023

HEMP Protection E1/ E2 pulses

- Fully 360° screened input cable to maintain red/black separation to filter
- Self-healing metallised plastic film capacitors
- High common & differential mode insertion loss
- Improved low frequency performance
- Powder coated aluminium enclosure
- UKCA - CE compliant - Input voltage range (90-275VAC)
- Simple mechanical and electrical installation
- Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER



Low Leakage Shielded Room 100A HEMP

Part Number

SCPVSHIELD100A4SRH

CP&F Part No: **SCPVSHIELD100A4SRH**

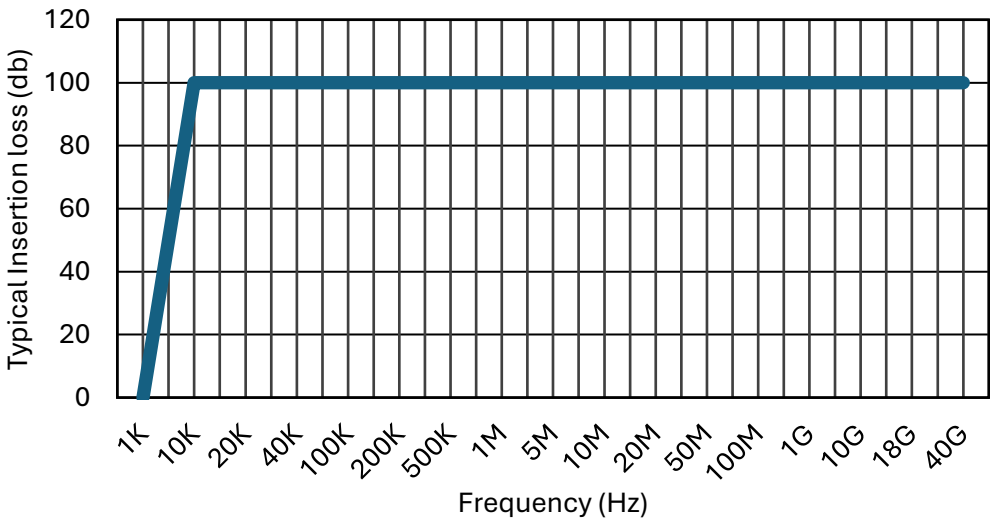
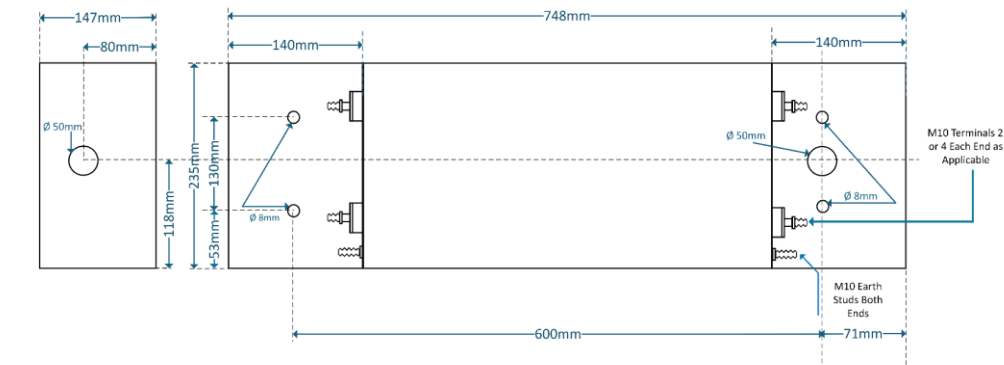
Product Description

Maximum 100A Three Phase

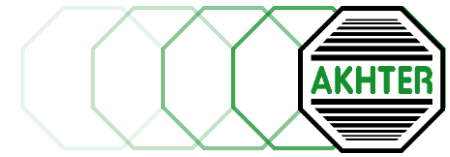
230V Enhanced Shielded Room Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	100A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	100dB, 10KHz - 40GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated
Dimension (L,W,H) in mm	748, 235, 147
Weight in Kg (approx.)	26



TEMPEST FILTER



Low Leakage Shielded Room 150A HEMP

Silicon CPV's TEMPEST Shielded Room filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. Insertion loss of 100dB from 10kHz to 40GHz. Additionally the filter comes in 2 or 4 wire options with current ratings of up to 250A per phase. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 100dB from 10kHz to 40GHz

IEC 60939-2-2005/AMD1:2023

HEMP Protection E1/ E2 pulses

Fully 360° screened input cable to maintain red/black separation to filter

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

Powder coated aluminium enclosure

UKCA - CE compliant - Input voltage range (90-275VAC)

Simple mechanical and electrical installation

Filters comply with basic requirements of the EMC directive 2014/30/EU



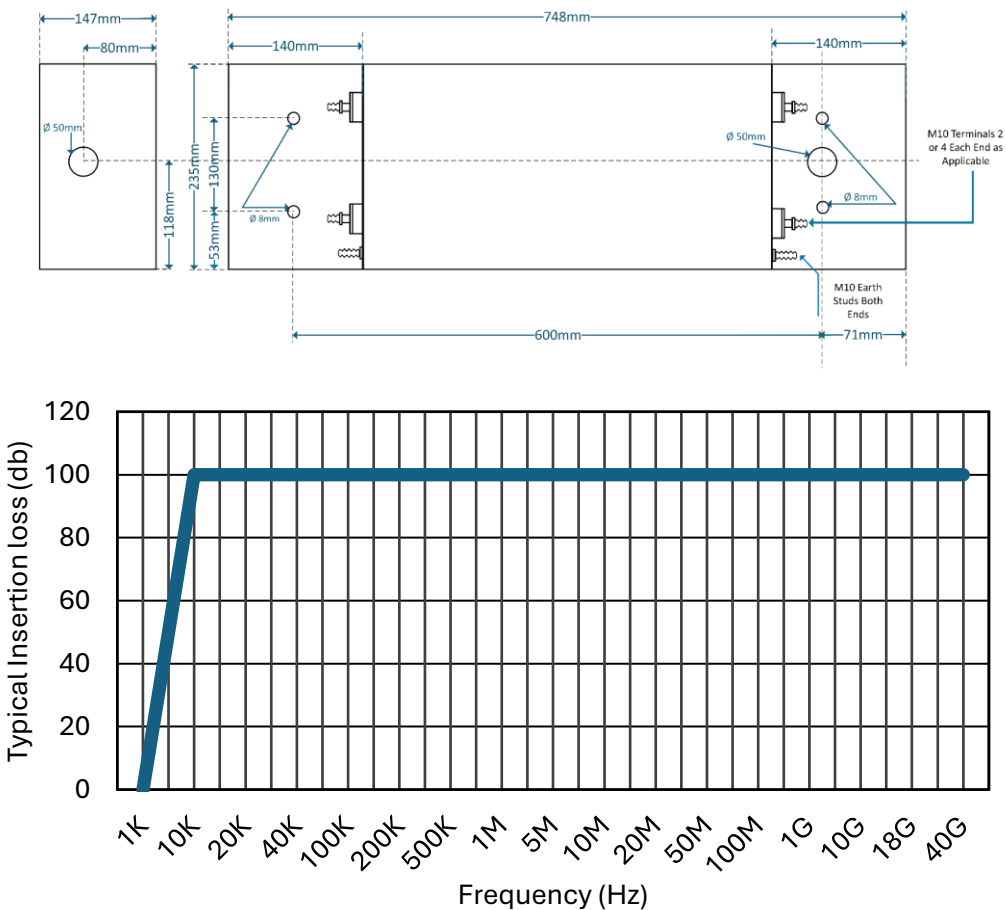
TEMPEST FILTER

Low Leakage Shielded Room 150A HEMP

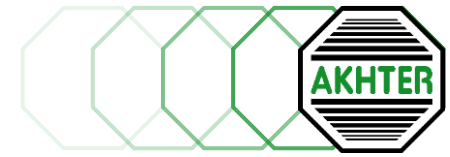
Part Number	Product Description
SCPVSHIELD150A4SRH	Maximum 150A Three Phase
CP&F Part No: SCPVSHIELD150A4SRH	230V Enhanced Shielded Room Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	150A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	100dB, 10KHz - 40GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated
Dimension (L,W,H) in mm	748, 235, 147
Weight in Kg (approx.)	28



TEMPEST FILTER



Low Leakage Shielded Room 200A HEMP

Silicon CPV's TEMPEST Shielded Room filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required. Insertion loss of 100dB from 10kHz to 40GHz. Additionally the filter comes in 2 or 4 wire options with current ratings of up to 200A per phase. The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

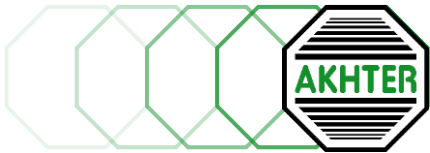
TEMPEST EMI SP & N filter providing performance to SDIP-27 A/B/C
Insertion loss of 100dB from 10kHz to 40GHz
IEC 60939-2-2005/AMD1:2023

HEMP Protection E1/ E2 pulses

- Fully 360° screened input cable to maintain red/black separation to filter
- Self-healing metallised plastic film capacitors
- High common & differential mode insertion loss
- Improved low frequency performance
- Powder coated aluminium enclosure
- UKCA - CE compliant - Input voltage range (90-275VAC)
- Simple mechanical and electrical installation
- Filters comply with basic requirements of the EMC directive 2014/30/EU



TEMPEST FILTER



Low Leakage Shielded Room 200A HEMP

Part Number

SCPVSHIELD200A4SRH

CP&F Part No: **SCPVSHIELD200A4SRH**

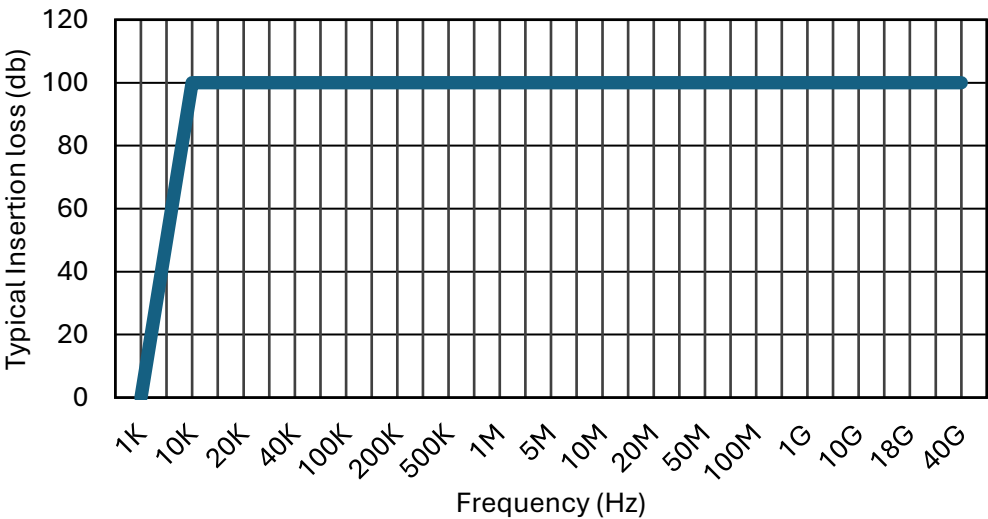
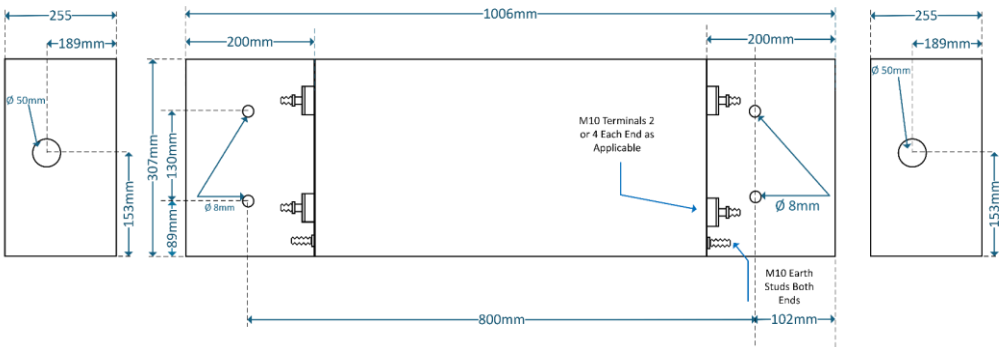
Product Description

Maximum 200A Three Phase

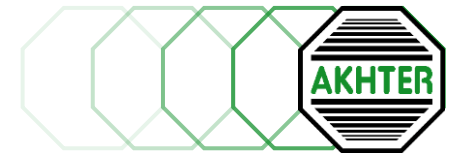
230V Enhanced Shielded Room Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	200A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-30°C to +85°C
Operating Temp Range	-20°C to +50°C -35°C to +85°C for 20 minutes
Insertion Loss (50Ω Asymmetric)	100dB, 10KHz - 40GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Extruded Aluminium
Finish	Powder coated
Dimension (L,W,H) in mm	1006, 307, 255
Weight in Kg (approx.)	31



TEMPEST FILTER



Power Distribution Box 26 Socket

Silicon CPV's 26 UK sockets, TEMPEST Power Distribution Box filter has been designed for use within stringent TEMPEST environments and applications, where protection compliant to SDIP-29 and equipment hardening to SDIP-27 is required.

The product uses ultra-reliable self-healing capacitors, in all units to deliver optimum performance across the full frequency range and under all loading conditions.

Product Description

TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C

Insertion loss of 60dB from 100kHz to 1GHz

16A or 32A options available

Commando input & output IP66

13A 26 x BS1363 sockets IP66

Designed to IT equipment safety standard IEC 62368-1:2023

Fully 360° screened input cable to maintain red/black separation to filter

Low Smoke Zero Halogen (LSZH) rated cabling for use in sensitive areas

Self-healing metallised plastic film capacitors

High common & differential mode insertion loss

Improved low frequency performance

16A and 32A designed filters are tolerable for personnel protection RCCD

16A or 32A **RCBO C Curve Protection Device** as per 18th edition wiring regulation

UKCA - CE compliant

Input voltage range (90-275VAC)

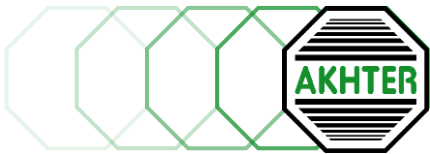
Filters comply with basic requirements of the EMC directive 2014/30/EU

Automatic Pressure Equalization Valve

Strong polyurethane wheels with stainless steel bearings and fold down handles



TEMPEST FILTER



Power Distribution Box 26 Socket

Part Number

SCPV16A26SIP66, SCPV32A26SIP66

CP&F Part No: **SCPV16A26SIP66, SCPV32A26SIP66**

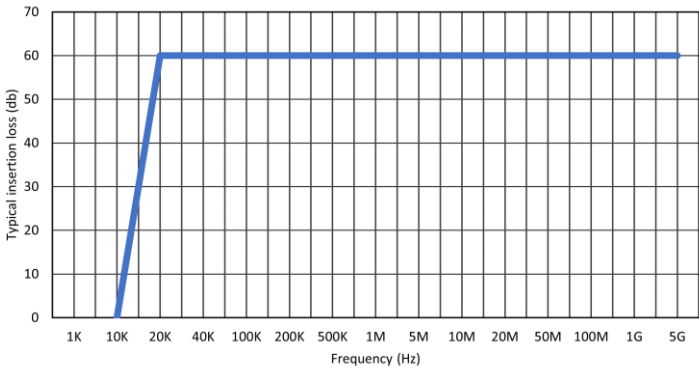
Product Description

26 x BS1363, 1 x Commando Sockets, 16A or 32A Single Phase

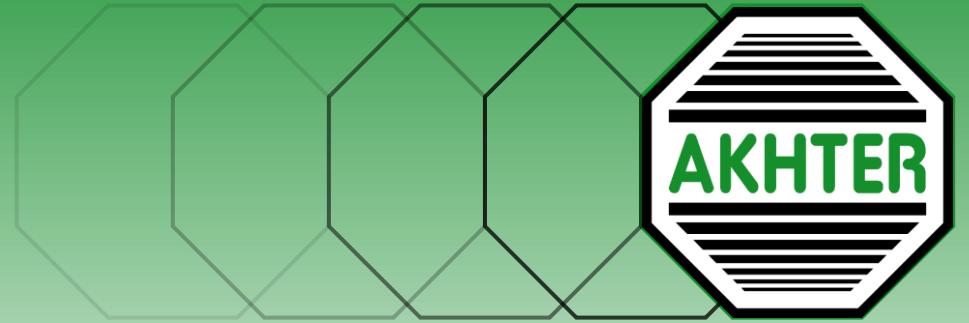
230V Pluggable Tempest Filter

Rating and Characteristics

Rated Voltage	230V AC 50/60Hz
Test Voltage (line- earth)	2250V DC
Test Voltage (line-Line)	1250V DC
Rated Current @50°C	16A or 32A
Earth Leakage Current	Less than 3.0mA
Max Temp Rise @Full Load	<35°C
Storage Temp Range	-25°C to 85°C
Operating Temp Range	20°C to 50°C
Insertion Loss (50Ω Asymmetric)	60dB, 100KHz - 1GHz
Discharge Time	Less than 1s to below 34V
Enclosure	Watertight, crushproof, and dustproof
Finish	Open cell core with solid wall design
RCBO Circuit Breaker	16A or 32A C Curve 30mA
IP rating	66



Thank you



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01279 821200

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www.akhter.co.uk