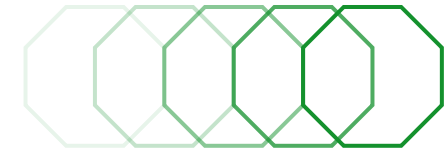


TEMPEST FILTER

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)

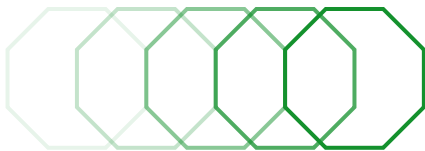
Simple mechanical and electrical installation

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

