



Product Specifications

SCPV – TEMPEST Low Leakage Shielded Room Filter 100A Three Phase HEMP

Why choose this product?

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





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SCPV – TEMPEST Low Leakage Shielded Room Filter 100A Three Phase 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	-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	750, 235, 150
Weight in Kg (approx.)	26

