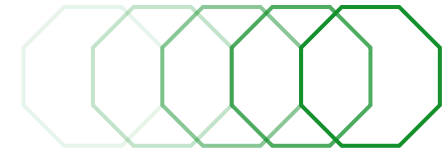


TEMPEST FILTER



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 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)

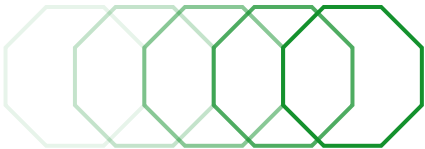
Simple mechanical and electrical installation

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



TEMPEST FILTER

Low Leakage Shielded Room 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

