Product Specifications

SCPV – TEMPEST Low Leakage Shielded Room Filter 100A Single Phase

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
Fully 360º 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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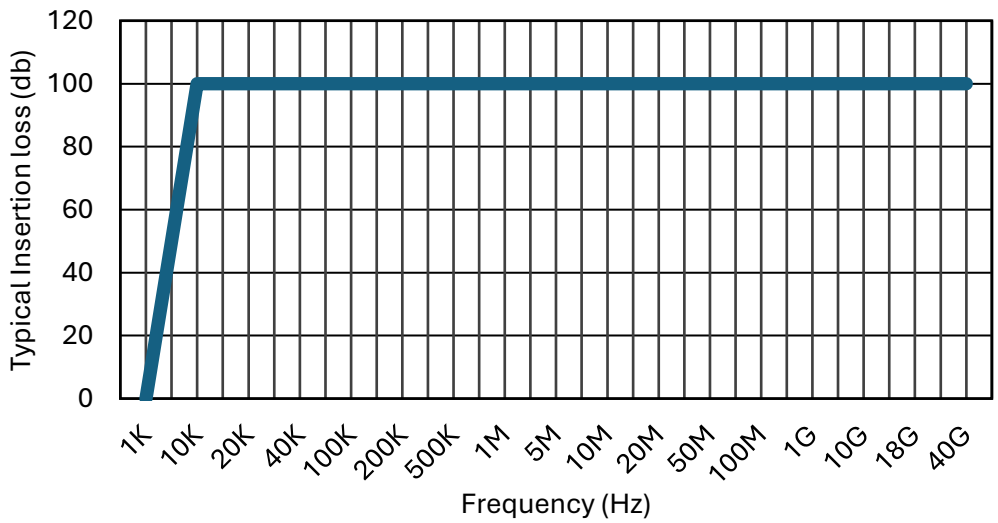
SCPV – TEMPEST Low Leakage Shielded Room Filter 100A Single Phase

Part Number	Product Description
SCPVSHIELD100A2SR	Maximum 100A Single Phase
CP&F Part No: SCPVSHIELD100A2SR	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	**-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.)	**20**