



# Product Specifications

## SCPV – TEMPEST Low Leakage Shielded Room Filter 63A 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

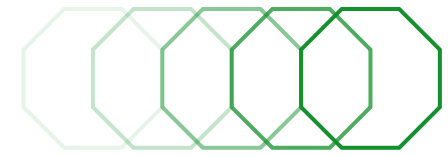
#### HEMP Protection E1/ E2 pulses

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



MAX CURRENT 150A  
NOM VOLTAGE 480VAC  
FREQUENCY 50/60Hz  
PART NO: SCPVSHIELD100A3R  
SERIAL NO: 100A3R 0001 001

www.siliconcpv.com  
MADE IN THE UK



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## SCPV – TEMPEST Low Leakage Shielded Room Filter 63A Three Phase HEMP

### Part Number

SCPVSHIELD63A4SRH

**CP&F Part No:** **SCPVSHIELD63A4SRH**

### Product Description

Maximum 63A Three Phase

230V Enhanced Shielded Room Tempest Filter

## Rating and Characteristics

Rated Voltage	<b>230V AC 50/60Hz</b>
Test Voltage (line- earth)	<b>2250V DC</b>
Test Voltage (line-Line)	<b>1250V DC</b>
Rated Current @50°C	<b>63A</b>
Earth Leakage Current	<b>Less than 3.0mA</b>
Max Temp Rise @Full Load	<b>&lt;35°C</b>
Storage Temp Range	<b>-25°C to 85°C</b>
Operating Temp Range	<b>20°C to 50°C</b>
Insertion Loss (50Ω Asymmetric)	<b>100dB, 10KHz - 40GHz</b>
Discharge Time	<b>Less than 1s to below 34V</b>
Enclosure	<b>Extruded Aluminium</b>
Finish	<b>Powder coated</b>
Dimension (L-W-H) in mm	<b>600, 175, 105</b>
Weight in Kg (approx.)	<b>10</b>

