



SCPV - TEMPEST Pluggable Filter -13A1S

Silicon CPV's 1 socket, TEMPEST pluggable 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 SCPV filter has been designed for use within unprotected power environments to ensure deployment and electrical installation is as quick and simple as possible.

The product has been designed to support current ratings of **13 Amps** under single phase operating voltage conditions.





Description

- TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
- Insertion loss of 60dB from 100kHz to 1GHz
- 13A BS1363 3 pin plug input & 1 socket outlet
- Designed to IT equipment safety standard EN 62368-1
- 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
- 13A designs of filter are downline tolerable to a personnel protection RCCD
- 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

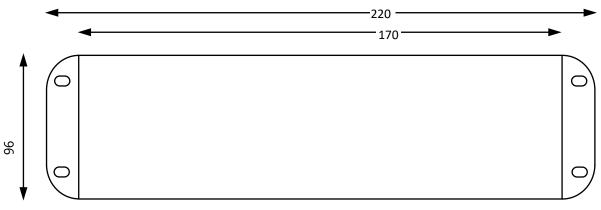




Ratings and Characteristics

Rated Voltage	230V AC 50/60Hz	1	Storage Temp Range	-25°C to 85°C
Raleu Vollage	230V AC 30/00Hz		Storage Temp Kange	-23 C 10 83 C
Test Voltage (line-	2250V DC		Operating Temp	-20°C to 50°C
earth)			Range	
Test Voltage (line-Line)	1250V DC		Insertion Loss (50Ω	60dB, 100KHz - 1GHz
			Asymmetric)	
Rated Current @50°C	13A		Discharge Time	Less than 1s to
				below34V
Earth Leakage Current	Less than 3.0mA		Enclosure	Extruded Aluminium
Max Temp Rise @Full	<35°C		Finish	Powder coated
Load				

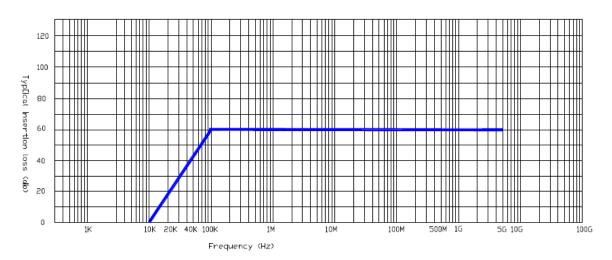
Dimensional Data



Fixing Holes M6 Product Height 60mm

All Dimensions in mm Drawing not to Scale

Performance Characteristics and Insertion Loss Curves



Part No and Ordering Information

Part No	Product Description	
SCPV – TEMPEST – 13A1S	1 x BS1363 Socket, Maximum 13A	
CP&F Part No: SCPVTEMPEST13A1S	Single Phase 230V Pluggable Tempest	
NATO No: 5915-99-358-6375	Filter	