

SCPV - TEMPEST -16A12C13

For 19" Rack Mount Filter

Silicon CPV's 19" Rack Mount 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 **16 Amps** under single phase operating voltage conditions.



Description

- 19" Rack Mountable Filter
- TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
- Insertion loss of 60dB from 100kHz to 1GHz
- **2m, 3 core, shielded cable, 12 x 10A C13 socket outlets**
- Designed to IT equipment safety standard IEC 62368-1:2023
- 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
- 16A 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

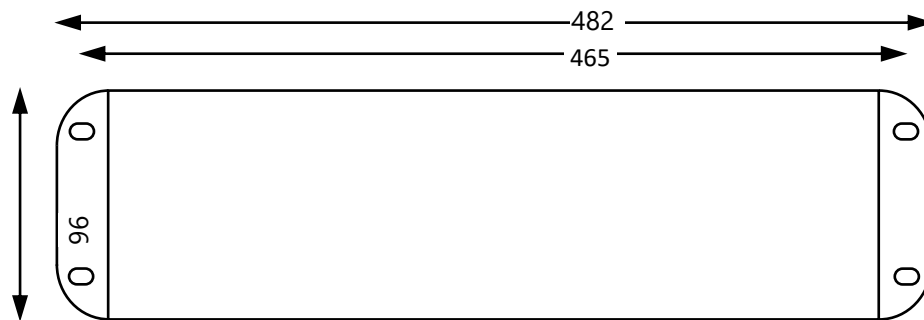


Ratings and Characteristics

| | |
|---------------------------|-----------------|
| Rated Voltage | 230V AC 50/60Hz |
| Test Voltage (line-earth) | 2250V DC |
| Test Voltage (line-Line) | 1250V DC |
| Rated Current @50°C | 16A |
| 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) | 60dB, 100KHz - 1GHz |
| Discharge Time | Less than 1s to below 34V |
| Enclosure | Extruded Aluminium |
| Finish | Powder coated |

Dimensional Data



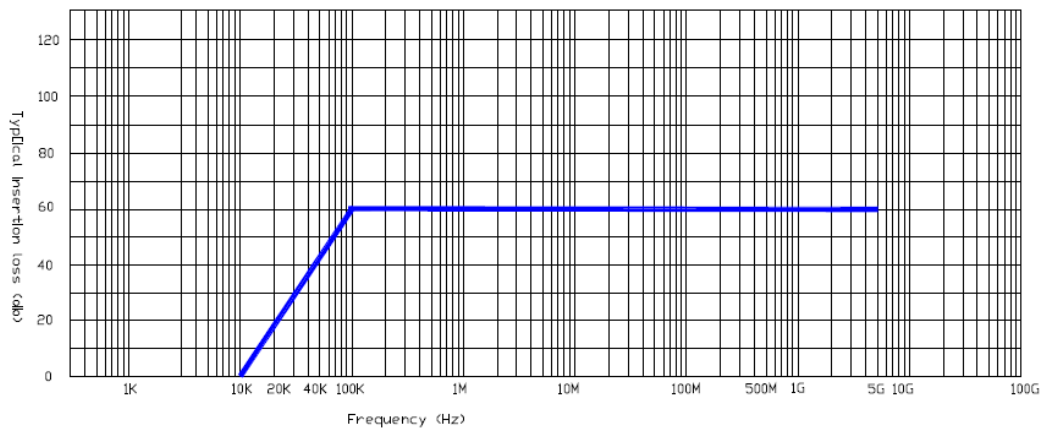
Fixing Holes M6
Product Height
60mm

All Dimensions in
mm

19" Rack Mount



Performance Characteristics and Insertion Loss Curves



Part No and Ordering Information

| Part No | Product Description |
|---|---|
| SCPV - TEMPEST - 16A12C13 CP&F Part No: SCPVTEMPEST16A12C13 | 19" Rack Mount Filter, 12 x C13 Sockets Maximum 16A Single Phase 230V, Pluggable Tempest Filter |