

# SCPV – TEMPEST

## 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

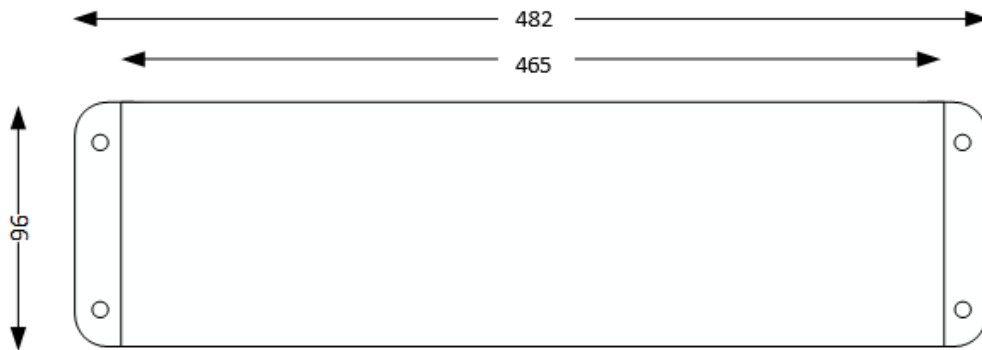
- 19" Rack Mountable Filter
- TEMPEST EMI SP & N filter providing performance to SDIP-27 B/C
- Insertion loss of 60dB from 100kHz to 1GHz
- **8 x 16A C19 socket outlets and 32A MCB**
- Designed to IT equipment safety standard EN 60950-1
- Fully 360° screened input cable to maintain red/black separation 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 aluminum enclosure
- 16A designs of filter are downline tolerable to a personnel protection RCCD
- CE compliant
- Simple mechanical and electrical installation

### 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 3.5mA
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 Aluminum
Finish	Powder coated

### Dimensional Data



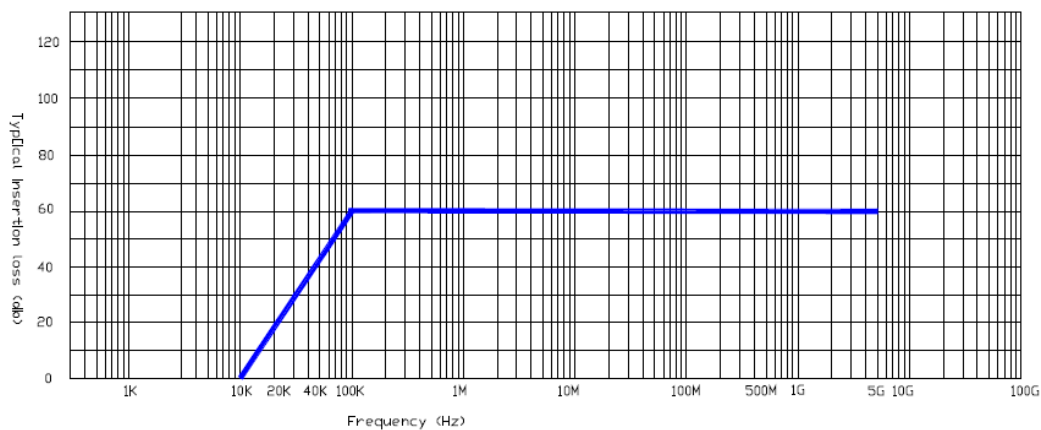
Fixing Holes M4  
Product Height 60mm

All Dimensions in mm  
Do not scale

### 19" Rack Mount



### Performance Characteristics and Insertion Loss Curves



### Part No and Ordering Information

Part No	Product Description
SCPV - TEMPEST - 16A8C19 CP&F Part No: SCPVTEMPEST16A8C19	19" Rack Mount Filter, 8 x C19 Sockets Maximum 16A Single Phase 230V, Pluggable Tempest Filter