

LAN Surge Protectors (SPD's)

Part Number: **LAN-CAT6-IS**



Features:

- LAN / Ethernet Protection Against Lightning and Other Over Voltage Surges
- No External Grounding Required (Insulating Type)
 - Using Isolation Transformer Technology
- High Speed 10GBASE-T / CAT6
- Backwards compatible with 1000BASE-T, 100BASE-TX, and 10BASE-T
- CAT5 and CAT5e Compatible
- All Pins Protected
- DIN Rail or Clip Compatible



100% Lead-Free (RoHS Compliant)

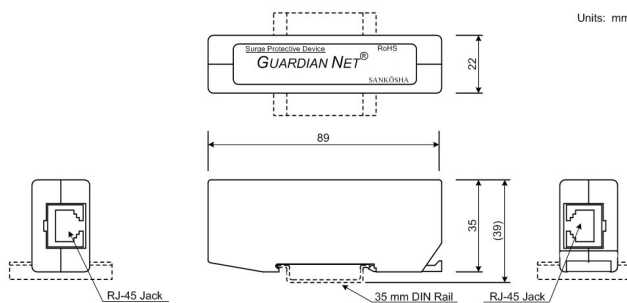
Electrical Characteristics	
Data Rates / Protocols	10GBASE-T(CAT6) (IEEE 802.3an) - (CAT6a is not supported) 1000BASE-T (GbE) (IEEE 802.3ab) 100BASE-TX (IEEE 802.3u) 10BASE-T (IEEE 802.3)
Frequency Range	1MHz to 250MHz
AC Withstand Voltage (Cutoff current = 1mA for 1min)	> 2.0kV (Between primary and secondary side)
Impulse Withstand Voltage (1.2/50µs)	> 5.0kV (Between primary and secondary side)
Transmission Loss	< 2.0dB (1MHz to 250MHz) (For each line)
Technology Type	Isolation Transformer
Crosstalk Attenuation	> 30dB (Between each line)
Insulation Resistance (at 500VDC)	≥ 1000M Ω (Between primary and secondary side)

Mechanical Characteristics	
Connector Type	RJ45 8-poles 8 cores
Mounting Method	DIN Rail or Clip (optional)
Grounding	Internal Protection, No External Grounding Required
Weight	55g (1.94oz)

Environmental Characteristics	
Operating Temperature Range	-35°C to +60°C (-31°F to 140°F)
Relative Humidity	≤ 90% non-condensing

Applications:

- Remote Networking Equipment
- Routers and Access Points
- IP Phone Systems
- Office and Home Networks
- Security Camera Systems
- WiMax Systems
- 10-GigE & GigE Data Lines
- Video Streaming Systems



UL 497B Listed: File E140906

LAN Protection Module