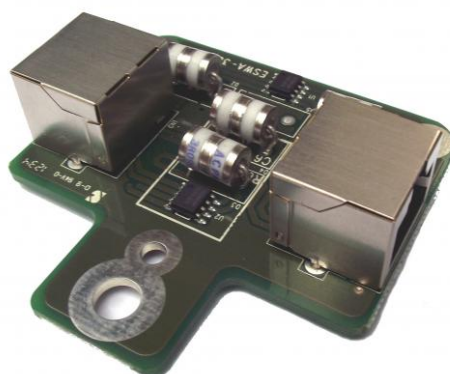


GbE/PoE+ Surge Protector board

ESWA-3000C6+



Features:

- Surge protection for Gigabit and PoE+ Ethernet networks
- All Gigabit 4 Pairs are Protected by the Reliable Differential Gas Discharge Tube (GDT) and the Bi-Directional Transient Voltage Suppressing (TVS) Array
- Provide Transient Protection for The Protected Differential Line Pair to IEEE 802.3 af/at (Transmission)
- IEC 61000-4-2 (ESD) $\pm 30\text{KV}$ (Contact/Air)
- IEC 61000-4-4 (EFT) 60A (5/50ns)
- IEC 61000-4-5 (Lightning/Surge) 5KA (8/20 μs)
- Cable Discharge Event (CDE)
- Fast Response Time (<3ns)
- UL497b Recognized Gas Discharge Tube (GDT) Protection
- Extremely Low Capacitance (<5pf)
- Shielded RJ-45 Jacks
- Compact Form Factor with Flexible Grounding Holes
- IEC61000-4-2, IEC 61000-4-4 and 61000-4-5 Compliant
- CORE 1089 compliant
- RoHS Compliant

Specifications:

Clamping Voltage	Line – Ground: 90 Volts Line – Line: 2.8 Volts (Max.)
Protection Modes	Line-Line, Line-Ground
CAT5e/6 Data Lines	Pair 1: Pins 1 and 2 (Data) Pair 2: Pins 3 and 6 (Data) Pair 3: Pins 4 and 5 (Data+Vcc+) Pair 4: Pins 7 and 8 (Data+Vcc-)
Normal Discharge Current	Line – Ground: 5 KA Line – Line: 5 KA
Max. DC Power Supply	68 Vdc (1,2,3,4,5,6,7,8)
Response time	Line – Ground: < 90 ns Line – Line: < 3 ns
Standard Connectors:	Shielded RJ-45 Female * 2
Dimensions (W*L*H) :	59*58*17mm
Weight:	25g