

# 1000 Base-T PoE LAN Protector

Part Number: **LAN-CAT5e-P**



**RoHS  
Compliant**

- Features:**
- High Speed 1000Base-T
  - For Power Over Ethernet (PoE) Applications
  - IEEE 802.3af and 802.3ab Compliant
  - DIN Rail or Surface Mountable
  - 1000Mbps Data Rate
  - Meets IEC 61643-21, 61000-4-5
  - Category C2 & D1 Impulse Requirements
  - GbE - Gigabit speed surge protection
  - CAT5 and CAT5e Compatible
  - All pins protected



**100% Lead-Free (RoHS Compliant)**

|                                      |   |
|--------------------------------------|---|
| Connector Style                      | RJ45 CAT5e STP  |
| Data Rate/Protocol                   | 1000 Base-T - GbE<br>100 Base-TX<br>10 Base-T<br>PoE              |
| Frequency                            | DC to 100 MHz   |
| Attenuation                          | Less than 1.0dB (DC to 100 MHz)                                   |
| DC Breakdown Voltage                 | < 50V (1 mA )<br>(Between each line and earth )                   |
| Current Rating (In)                  | 500mA   |
| Near End Crosstalk (NEXT)            | > 30dB  |
| Maximum Continuous Operating Voltage | 60VDC   |
| Current Rating                       | 500 mA (PoE)  |
| Voltage Protection Level             | Max 250V (1.2/50µs10kV )<br>(Between each line and earth          |
| Impulse Durability                   | 8/20µs 5kA 10 Times (Cat. C2)<br>10/350µs 2.5kA 2 Times (Cat. D1) |
| Humidity                             | 90% non-condensing  |
| Operating/Storage Temperature        | -35° C to +60° C  |
| Weight                               | 1.92 oz (54 g)  |
| Module Case Material                 | ABS Plastic, UL94 V-0 Flame Rating                                |

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**UL 497B Listed: File E140906**

**Applications:**

- GigE Data Line Surge Protection
- Remote Networking Equipment
- Routers and Access Points
- IP Phone Systems
- Office Networks
- Security Camera Systems
- WiMax Systems

