



# MSTronic Co., Ltd.

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## MS-T830G

8-ports Network Lightning Surge Protector  
802.3at PoE Compatible

### Feature

- + Shielded RJ45 jack and metal housing for EMC noise suppression
- + CAT5/CAT5e compatible
- + Cast aluminum construction
- + Integral mounting feet
- + 802.3at compliant



### Specification

|                                      |                                                                              |
|--------------------------------------|------------------------------------------------------------------------------|
| Operating Voltage                    | Data 5V PoE 48V                                                              |
| Break Down Voltage                   | Power Port 90V; Data Port 90V                                                |
| Max. Surge Discharge Current(8/20uS) | Power & Data Port 10KA (/port)                                               |
| Peak Pulse Current(10/1000uS)        | 100A                                                                         |
| Pin Protected (1)                    | All 8 pin protected                                                          |
| Protection Mode                      | Differential & Common mode                                                   |
| Insulation Impedance                 | > 1000M Ohm                                                                  |
| Max. Shut Capacitance                | Power & Data Port < 2.5 pF                                                   |
| Data Rate                            | 1000 Mbps                                                                    |
| Impulse protected Voltage            | < 250V                                                                       |
| Response Time                        | < 5 nS                                                                       |
| Operating Temperature                | -40°C ~+85°C                                                                 |
| Storage Temperature                  | -40°C ~+125°C                                                                |
| Operating Humidify                   | 0~95% non condensing                                                         |
| Ground Lug wire                      | 14 AWG                                                                       |
| Dimensions                           | 120.0 x 49.0 x 91.3mm (include bracket)<br>111.0 x 47.0 x 65.2mm (main body) |
| Weight                               | 750g                                                                         |



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NOTE 1. Pin to Pin & Pin to Ground.

4,5 Pin to 7,8 Pin & 4,5 to Ground & 7,8 to Ground

1,2 Pin to Ground & 3,6 Pin to Ground.

1 Pin to 2 Pin Over-Current Protection , 3 Pin to 6 Pin Over-Current Protection

4 Pin to 5 Pin Over-Current Protection , 7 Pin to 8 Pin Over-Current Protection

**Over-Current Protection Turn-off point 750 mA ~1000mA .**

2. Loss Voltage Point : 1.8V ~ 2.2V @ 0.625A ,1,2 & 3,6 or 4,5 & 7,8

3. RJ45s shield connected to enclosure, grounding wire isolated to enclosure.