



DTK-MRJ45C5E

Gigabit Ethernet Surge Protection General Product Specifications

DITEK's MRJ45C5E protects the data lines to vital business equipment. Its low voltage clamping protects sensitive 5 Volt data circuits. All four pairs are protected. The MRJ45C5E is suitable for use on data networks, network appliances, IP Video cameras, Point of Sale terminals, DSL lines, and any other piece of networked equipment.



DTK-MRJ45C5E **Product Features**

- Protects all four pairs
- RJ45 connection with external grounding screw
- Multi-stage, SAD technology, hybrid design provides the best possible protection
- Conforms to EIA/TIA standards for data transmission
- Automatically resets to protect against multiple surges

Specifications

Standards Compliance: EIA/TIA568A, EIA/TIA568B

Connection Method: RJ45 In/Out, 8 pins

Data rate: Gigabit Ethernet (using all four pairs)

Service Voltage: <5V

MCOV: 6.5V

Surge Current Capacity: 268 A/pair (10/1000µs impulse)

Max Continuous Current: 0.3A

Attenuation: -1dB per pair (maximum)

Near End Crosstalk: -39.3dB per pair (maximum)

Protection Modes: Line-Ground (All)

Operating Temperature: -40°F - 158°F (-40°C - 70°C)

Maximum Humidity: 95% non-condensing

Dimensions: 1.7" x 3.0" x 1.2"
(43mm x 76mm x 30mm)

Weight: 4oz (113g)

Housing: ABS

Warranty: Ten Year Limited Warranty

Options & Complementary Products

- **DTK-MRJ45C5EGP** – RJ45 surge protector with receptacle ground pin, Gigabit Ethernet data rate
- **DTK-MRJ45DSL** – Business or Residential DSL line protection. Specifications are same as the DTK-MRJ45C5E with the following exceptions:
 - **Service Voltage:** <105V
 - **MCOV:** 150V
 - **Surge Current Capacity:** 100 A/pair
 - **Max Continuous Current:** N/A
- **DTK-RM12C5** – Gigabit Ethernet, 12-port 110 In/RJ45 Out, 1U rack mount surge protector
- **DTK-RM16C5** – Gigabit Ethernet, 16-port RJ45 In/Out, 2U rack mount surge protector

