

DTK-MRJPOE

Power over Ethernet Surge Protection



DITEK's DTK-MRJPOE protects circuits that use state-of-the-art Power over Ethernet connections. This point of use surge protector is compatible with CAT5e, CAT6 and CAT6A cabling infrastructure, and can be installed either at the equipment end, or ahead of injectors or midspan devices. Its multi-stage, hybrid design provides superior protection for PoE applications.

Product Features

- Uses SAD and GDT technologies for optimal protection
- Data speeds up to 10GbE without signal degradation
- PoE Plus, HiPoE ready for high-wattage applications
- RJ45 connections with external grounding screw
- Complies with IEEE Std. 802.3af and 802.3at for PoE

Applications

- PoE IP Camera, NVR's
- Wireless Access Points
- Audio/Video Touch Pads and Screens
- Access Control

Accessories

- DIN Rail Mounting Kit – Part Number DTK-DRK

Category	Max Data Transmission Speed	Max Bandwidth	Typical Distance
CAT3	10 Mbps	16 MHz	100 m
CAT5	10 / 100 Mbps	100 MHz	100 m
CAT5e	1 Gbps	100 MHz	100 m
CAT6	1 Gbps	250 MHz	100 m
CAT6A	10 Gbps	500 MHz	100 m

* Cabling information obtained from TIA-568-C.2

Every precaution has been taken to ensure that this literature is accurate and complete. DITEK Corporation assumes no responsibility and disclaims all liability for damages resulting from the use of this information or for any errors or omissions.

Technical Specifications

Service Voltage:	<60V
Protection Modes:	L-G (All), L-L (All)
Clamping Voltage Common Mode (L-G):	75V
Clamping Voltage Differential Mode (L-L):	72V
Surge Current Rating:	20kA/Pair
Max. Continuous Current:	1.5 Amps
Power Handling:	144 Watts
Data Rate:	Up To 10GbE

Mechanical Characteristics

Connection Method:	RJ45 In/Out
Housing:	ABS
Operating Temperature:	-40F – 158F (-40C – 70C)
Maximum Humidity:	95% non-condensing
Dimensions:	3.0"L X 1.7"W x 1.2"H (76mm x 43mm x 30mm)
Weight:	4oz (113g)

Quality, Standards & Approval

Agency Approvals:	UL497B
Standards Compliance:	CAT5e, EIA/TIA568A, EIA/TIA568B
Warranty:	Ten Year Limited Warranty

