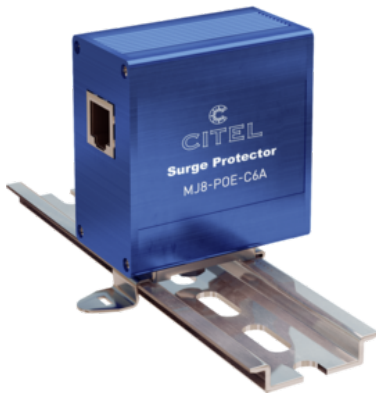


MJ8-POE-C6A



- POE++ compatible Surge Protector
- Cat. 6A compatible
- Shielded RJ45 connectors
- 16 kA maximum surge discharge capability
- Max Transmission up to 10Gbps
- Max Bandwidth up to 500 MHz
- UL497B



Electrical Characteristics	
Network	10Gb/s on Cat6A S/FTP cabling
Protection modes (network)	CM / DM (common mode / differential mode)
Protection modes (POE)	CM / DM (common mode / differential mode)
Transmission standard	IEEE 802.3bt
Lightning Protection Zones (LPZ)	0 - 3
Max. DC operating voltage	Uc 8 Vdc
Max. operating voltage (POE)	Uc 60 Vdc
Max. frequency	f max. 500 MHz
Max. data rate	10 Gbps
Max. load current @25°C	IL 2 A
Max. POE power (4PPOE)	90 W
Max. discharge current max. withstand @ 8/20 µs, X-C (Line/Earth)	I _{max} 2 kA
Protection Level C3 (10/1000µs), 300 applications@10 A, X-X (Line/Line)	Up 70 V
Protection level C3 (10/1000µs), 300 applications@10 A, X-C (Line/Earth)	Up 500 V
Protection Level C3 (10/1000µs), 300 applications @ 10A, (Pair-Pair, POE)	Up 80 V
Impulse current D1 (10/350µs), 2 applications, X-C (Line/Earth)	I _{imp} 400 A
Nominal discharge current C1 (8/20µs), 300 applications X-X (Line/Line)	I _n 1kV / 500A
Nominal discharge current C2 (8/20µs), 10 applications X-C (Line/Earth)	I _n 4 kV / 2 kA
Line resistance (± 10%)	~ 0 ohms
Capacitance @1MHz, X-C (Line/Earth)	C < 5 pF
NOMINAL DC LINE VOLTAGE	V _{dc} 48
MAX. DC LINE VOLTAGE	V _{dc} 60
WIRES	8W+Shield+Ground
LINE CURRENT MAX	(A) 2
POWER RATING	(W) 100
AMBIENT MIN	(C) -40
AMBIENT MAX	(C) +85
PROTECTION LEVEL	(V) 70
IMAX 8/20µs	(kA) 16
MAX. DATA RATE	Gbps 10
MAX. FREQUENCY	Mhz 500
Mechanical Characteristics	
Technology	GDT+TVS diode
Connection to Network	RJ45 shielded connectors Female input/output
Cable glands	N/A
Format	Metallic box with connectors input/output
Accessory(s) provided	Screw, washer, cable shoe, earthing plate, DIN rail adapter
Failsafe mode	Transmission cut-off - Fault mode 2 (short-circuit)
Pinout	(1-2)(3-6)(4-5)(7-8)
Weight	0.12 kg / 0.26 lbs
TECHNOLOGY	SAD-GDT
NETWORK CONFIGURATION	Single POE Line
CONNECTOR TYPE	Shielded RJ45
PIN OUT	[1-2][3-6][4-5][7-8]
NEMA RATING (IP RATING)	NEMA 2 (IP20)
DIMENSIONS	See diagram
Standards	
UL File Number	E184939

Indoor Cat. 6A 10Gb/s rated POE Surge Protective Device & Mounting Hardware Kit

MJ8-POE-C6A

Certification	UL 497B
UL STANDARD	UL497B
UL CATEGORY	QVGQ
UL FILE NUMBER	E184939
STANDARDS	NOM-003-SCFI-2014, NOM-001-SCFI-1993
ENVIRONMENTAL STANDARDS	ROHS
Part number	
581541	



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Citel:](#)

[MJ8-POE-C6A](#)