



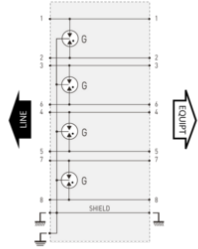
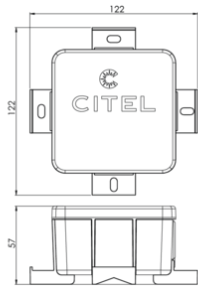
# Outdoor gigabit 10G POE++ Surge Protective Device

# CITEL

## LAN-10G-POE-G-C



- POE++ Compatible (IEEE 802.3bt)-10Gb (5-100M) with Cat6A S/FTP cabling
- Shielded RJ45 connectors
- Outdoor Applications, IP54 (NEMA3)
- 16 kA maximum total surge discharge capability
- Max Bandwidth up to 500 MHz



GSG: Gas filled Spark Gap

Electrical Characteristics		
Network		10Gb/s on Cat6A S/FTP cabling
Protection modes (network)		CM (Common Mode)
Protection modes (POE)		CM (Common Mode)
Transmission standard		IEEE 802.3bt
Lightning Protection Zones (LPZ)		0 - 2
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 <sub>max</sub>	2 kA
Protection Level C3 category (10/1000μs), 300 applications@10 A, X-X (Line/Line)	Up	700 V
Protection level C3 category (10/1000μs), 300 applications@10 A, X-C (Line/Earth)	Up	700 V
Protection Level C3 Category (10/1000μs), 300 applications @ 10A, (Pair-Pair, POE)	Up	700 V
Impulse current D1 category (10/350μs), 2 applications, X-C (Line/Earth)	I <sub>imp</sub>	500 A
Nominal Discharge Current C2 category (8/20μs), 10 applications, X-X (Line/Line)	I <sub>n</sub>	4 kV / 2 kA
Nominal discharge current C2 category (8/20μs), 10 applications X-C (Line/Earth)	I <sub>n</sub>	4 kV / 2 kA
Line resistance (± 10%)		0 Ohm
Capacitance @1MHz, X-C (Line/Earth)	C	< 5 pF
Installation		
Wiring type		Shielded RJ45
Mechanical Characteristics		
Technology		Gas discharge tube
Connection to Network		RJ45 shielded connectors Female input/output
Cable glands		Rubber
Format		Plastic Box with connectors input/output
Failsafe mode		Short-circuit - transmission cut-off - fault mode 2
Pinout		(1-2)(3-6)(4-5)(7-8)
Weight		0.14 kg / 0.31 lbs
TECHNOLOGY		GDT
NETWORK CONFIGURATION		Single POE Line
MOUNTING		Surface/Pole Mount
MATERIAL		UV rated Thermoplastic
FLAMMABILITY RATING		UL94-V0
NEMA RATING (IP RATING)		NEMA 3 (IP54)
DIMENSIONS		See diagram
Standards		
ENVIRONMENTAL STANDARDS		ROHS
Part number		581549

