



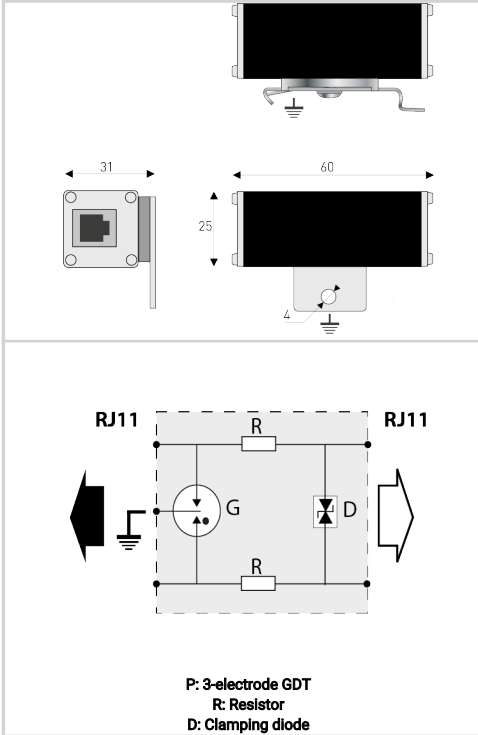
# CITEL

## UL497B LISTED - In 2.5kA

### MJ6-1T-UL



- ▶ Telephone Lines
- ▶ Hybrid GDT and Diode Technology
- ▶ RJ11 connector
- ▶ Bi-Directional Protection
- ▶ Shielded Connector Configurations
- ▶ DIN Rail, Screw Lug, and Flange Mounting



Electrical Characteristics	
Network	Telephone Line, ADSL2, VDSL2, 1 pair
Nominal line voltage	Un 150 Vdc
Max. DC operating voltage	Uc 170 Vdc
Max. frequency	f max. > 10 MHz
Max. data rate	30 Mbps
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	Imax 20 kA
Nominal Discharge Current, X-C (Line/Earth) <i>8/20μs Test x 10 - C2 Category</i>	In L/PE 2500 A
Protection Level <i>C3 (10/1000μs), 300 applications@10 A, Y-Y (Line/Line)</i>	Up 220 V
Protection Level <i>C3 (10/1000μs), 300 applications@10 A, X-C (Line/Earth)</i>	Up 20 V
Protection level L/N <i>@ In (8/20μs)</i>	Up L/N 220 V
DATA SPD TYPE	UL497B LISTED
VOLTS	(V) 150
AMBIENT MIN	(C) -50
AMBIENT MAX	(C) +85
RESIDUAL VOLTAGE	(V) 210
IN <i>10 impulses 8/20μs</i>	(kA) 2.5
IMAX <i>8/20μs</i>	(kA) 10
FREQUENCY	(MHz) up to 10
MAX. LINE VOLTAGE	(Vdc) 170
Mechanical Characteristics	
Technology	GDT+TVS diode
Connection to Network	RJ11 connector female input/output
Format	RJ11 Connector
Operating temperature	Tu -40/+85°C
Protection rating	IP20
Failsafe mode	Short-circuit
Pinout	1-pair (3-4)
TECHNOLOGY	SAD-GDT
NETWORK CONFIGURATION	1 pair
CONNECTION METHOD	RJ11 Connector
MOUNTING	Wall mount
MATERIAL	Thermoplastic UL94-V0
NEMA RATING (IP RATING)	NEMA 2 (IP20)
DIMENSIONS	See diagram
WEIGHT	0.30 lbs
Standards	
UL STANDARD	UL497B
UL CATEGORY	QVGQ
UL FILE NUMBER	E184939
STANDARDS	IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993
ENVIRONMENTAL STANDARDS	ROHS
Part number	
<b>560422</b>	

