



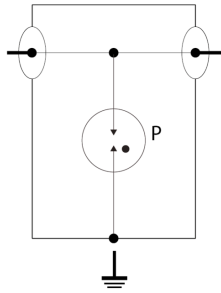
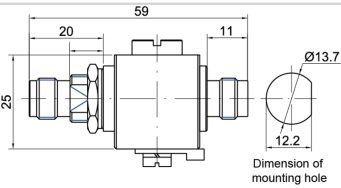
# CITEL

- UL497E LISTED - I<sub>max</sub> 20kA (10kA UL) - I<sub>n</sub> 10kA (10kA UL) - Bi-directional - Replaceable Gas Tube

## P8AX09-6G-T/FF



- ✦ Gas Discharge Tube Technology, DC Pass
- ✦ Frequency Range 0-6.9GHz
- ✦ I<sub>max</sub> 20kA, 10kA (UL), I<sub>n</sub> 10kA
- ✦ IP67 Outdoor Rated
- ✦ TNC-Type Connector
- ✦ Bi-Directional
- ✦ Replaceable Gas Tube



### Electrical Characteristics

Max. DC operating voltage	Uc	120 Vdc
Frequency range	f	DC-7 GHz
Insertion loss		0.3 dB
Return loss		> 18 dB
Impedance		50 ohms
VSWR		< 1.3:1
Max. load current @25°C	IL	10 A
Protection mode(s)		Common mode
Impulse current 2 x 10/350µs Test - D1 Category	Iimp	1 kA
Nominal discharge current C2 Category	I <sub>n</sub>	5 kA
Max Power		25 W
DC Pass		Yes
Insulation resistance	IR	≥10 GOhms
RF SPD TYPE		UL497E LISTED
VOLTS	(V)	48
AC/DC/DC PV/RF		RF
WIRES		1W+GROUND
LINE CURRENT MAX	(A)	10
AMBIENT MIN	(C)	-40
AMBIENT MAX	(C)	+85
IMAX	(kA)	20
8/20µs		
FREQUENCY RANGE	(GHz)	0-6.9
INSERTION LOSS (@ FREQ)	(db)	<0.2
RETURN LOSS	(db)	>22
VSWR		<1.25:1

### Mechanical Characteristics

Technology		Gas discharge tube
Connection to Network		Connector TNC Female/Female
Failsafe mode		Short-circuit
Contacts		Bronze/Surface Au-Ag
Insulation material		PTFE
TECHNOLOGY		GDT
CONNECTION METHOD		SERIES CONNECTOR, BI-DIRECTIONAL
MOUNTING		BULKHEAD, OPTIONAL BRACKET
MATERIAL		Cu, Zn, Sn plated Brass, PTFE
NEMA RATING (IP RATING)		NEMA 6P (IP67)
DIMENSIONS		See diagram
WEIGHT		0.30 lbs

### Standards

RohS compliance		Yes
UL STANDARD		UL497E
UL CATEGORY		QVLA
UL FILE NUMBER		E349646
STANDARDS		NOM-003-SCFI-2014, NOM-001-SCFI-1993
ENVIRONMENTAL STANDARDS		ROHS

### Part number

68311

