



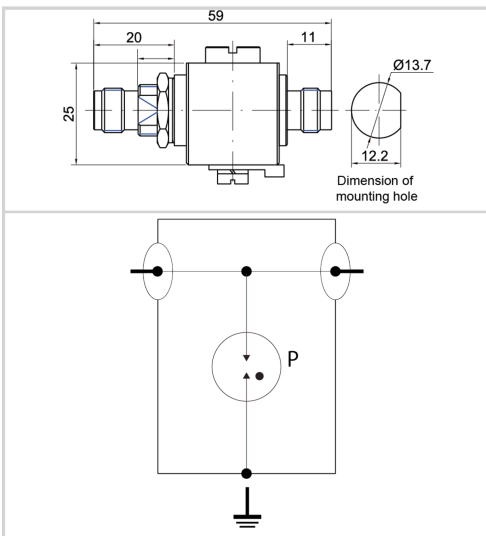
- UL497E LISTED - I_{max} 20kA (10kA UL) - I_n 10kA (10kA UL) - Bi-directional - Replaceable Gas Tube

CITEL

P8AX09-6G-T/FF



- Gas Discharge Tube Technology, DC Pass
- Frequency Range 0-6 GHz
- I_{max} 20kA, 10kA (UL), I_n 10kA
- IP67 Outdoor Rated
- SMA Type Connector
- Bi-Directional
- Replaceable Gas Tube



Electrical Characteristics		
Max. DC operating voltage	U _c	120 Vdc
Frequency range	f	DC-6 GHz
Insertion loss		0.3 dB
Return loss		> 18 dB
Impedance		50 ohms
VSWR		< 1.3:1
Max. load current @25°C	I _L	10 A
Nominal discharge current <i>C2 Category</i>	I _n	5 kA
Protection mode(s)		Common mode
Impulse current <i>2 x 10/350µs Test - D1 Category</i>	I _{imp}	1 kA
Max Power		70 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
I _{MAX} <i>8/20µs</i>	(kA)	20
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



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P8AX09-6G-T/FF

STANDARDS	NOM-003-SCFI-2014, NOM-001-SCFI-1993
ENVIRONMENTAL STANDARDS	ROHS
Part number	
68311	

