



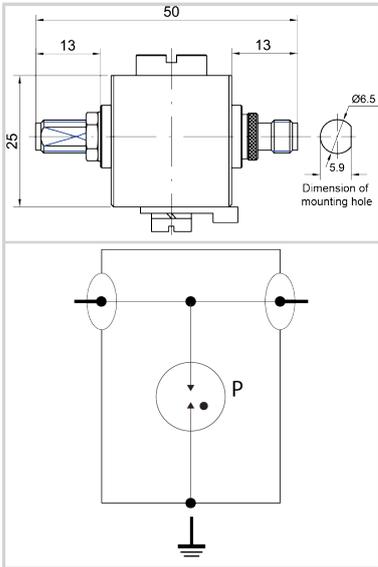
CITEL

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

P8AX25-6G-SMA/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	200 Vdc
Frequency range	f	DC-6 GHz
Insertion loss		< 0.3dB
Return loss		> 18 dB
Impedance		50 ohms
VSWR		<1.3:1
Max. load current @25°C	I _L	10 A
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	15 kA
Nominal discharge current <i>C2 Category</i>	I _n	5 kA
Protection mode(s)		Common mode
Impulse current <i>2 x 10/350 μs Test - D1 Category</i>	I _{imp}	1 kA
Max Power		190 W
DC Pass		Yes
Insulation resistance	I _R	≥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>8/20 μs</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 SMA Female/Female
Operating temperature	T _u	-40/+85°C
Protection rating		IP65
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



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ENVIRONMENTAL STANDARDS	ROHS
Part number	
68514	

