



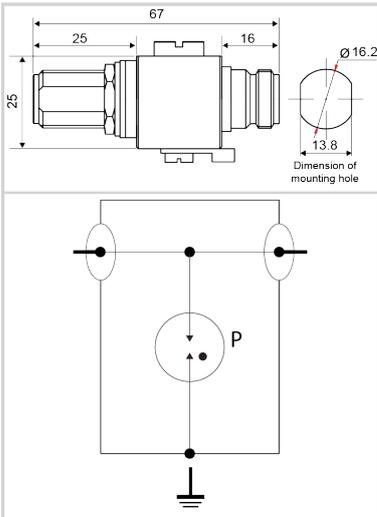
CITEL

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

P8AX25-6G-N/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	Uc	200 Vdc
Frequency range	f	DC-6 GHz
Insertion loss		< 0.2 dB
Return loss		> 19 dB
Impedance		50 ohms
VSWR		<1.25:1
Max. load current @25°C	IL	10 A
Max. discharge current max. withstand @ 8/20 μs by pole	I _{max}	15 kA
Nominal discharge current C2 Category	I _n	5 kA
Protection mode(s)		Common mode
Impulse current 2 x 10/350μs Test - D1 Category	I _{imp}	1 kA
Max Power		190 W
Typical let through energy (50 ohms) input 4kV 1.2/50μs - 2kA 8/20μs		2.2 mJ
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
POWER RATING	(W)	240
AMBIENT MIN	(C)	-40
AMBIENT MAX	(C)	+85
RESIDUAL VOLTAGE	(V)	1000
IMAX 8/20μs	(kA)	20
FREQUENCY RANGE	(GHz)	0-6.9
INSERTION LOSS (@ FREQ)	(db)	<0.2
RETURN LOSS	(db)	22
VSWR		<1.25:1
IMPEDANCE	Ω	50

Installation

Operating Temperature _{Min}	°C	-45.0000
Operating Temperature _{Max}	°C	85.0000
Operating Temperature _{Min}	°F	-50.0000
Operating Temperature _{Max}	°F	85.0000
Operating Relative Humidity _{Max}	%RH	Can be submerged
Operating Altitude _{Min}	Ft	2000.0000
Operating Altitude _{Max}	Ft	6500.0000
Housing/Enclosure material		Cu, Zn, Sn plated Brass
Mounting		Bracket or through hole
IP Environmental rating/IP		IP65
NEMA Environmental rating/NEMA		NEMA 4
Installation Location		Indoor / outdoor
Spare part		BA HF 250/20
Accessories		BK
Product Dimension _L	mm	67.0000
Product Dimension _H	mm	25.0000
Product Dimension _W	mm	13.8000
Product Dimension _L	In	2.6400
Product Dimension _H	In	0.9800
Product Dimension _W	In	0.5400

Miscellaneous



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Individual Pack		No
Storage Temperature _{Min}	°C	-40.0000
Storage Temperature _{Max}	°C	85.0000
Storage Temperature _{Min}	°F	-40.0000
Storage Temperature _{Max}	°F	85.0000
Mechanical Characteristics		
Technology		Gas discharge tube
Connection to Network		Connector N Female/Female
Mounting		Feedthrough
Operating temperature	Tu	-40/+85°C
Protection rating		IP65
Failsafe mode		Short-circuit
Contacts		Bronze/Surface Au-Ag
TECHNOLOGY		GDT
CONNECTION METHOD		SERIES CONNECTOR, BI-DIRECTIONAL
CONNECTOR TYPE		N
GENDER		FEMALE TO FEMALE
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
SPARE PART		BA HF 250/20
Standards		
Environmental standards		EU RoHS
RohS compliance		Yes
UL STANDARD		UL497E
UL CATEGORY		QVLA
UL FILE NUMBER		E349646
STANDARDS		NOM-003-SCFI-2014, NOM-001-SCFI-1993
Part number		
68014		

