

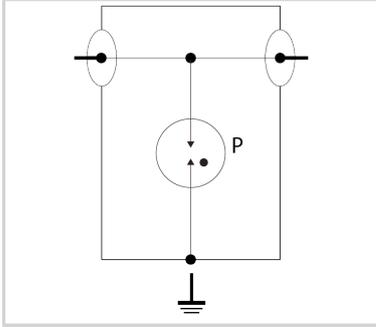


CITEL

P8AX25-NWSMA/FF



►4GHz Bi-Directional Coaxial Surge Protector - High Energy GDT Technology - Low Insertion Loss - Field Replaceable GDT - Waterproof Design - DC Pass - UL497E Listed



Electrical Characteristics			
Max. DC operating voltage	Uc	200 Vdc	
Frequency range	f	DC-3.5 GHz	
Insertion loss		< 0.2 dB	
Return loss		> 20 dB	
Impedance		50 ohms	
VSWR		<1.2:1	
Max. load current @25°C	IL	10 A	
Max. discharge current max. withstand @ 8/20 μs by pole	Imax	20 kA	
Nominal discharge current C2 Category	In	5 kA	
Protection mode(s)		Common mode	
Protection level @1kV/μs (C3)	Up	< 800 V	
Impulse current 2 x 10/350μs Test - D1 Category	Iimp	1 kA	
Max Power		190 W	
Typical let through energy (50 ohms input 4kV 1.2/50μs - 2kA 8/20μs)		350 μJ	
DC Pass		Yes	
Insulation resistance	IR	≥10 GOhms	
RF Power Maximum	W	190.0000	
Return Loss Minimum	db	20	
VSWR Maximum	:1	<1.2:1	
Max Total Discharge Current Imax (8/20μs x 1)	kA	20.0000	
Max Discharge Current Imax (8/20μs x 1)	kA	20.0000	
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 8/20μs	(kA)	20	
FREQUENCY RANGE	(GHz)	0-4.0	
INSERTION LOSS (@ FREQ)	(db)	<0.2	
RETURN LOSS	(db)	22	
VSWR		<1.25:1	
Installation			
Operating TemperatureMin	°C	-45.0000	
Operating TemperatureMax	°C	85.0000	
Operating TemperatureMin	°F	-50.0000	
Operating TemperatureMax	°F	85.0000	
Operating Relative HumidityMax	%RH	Can be submerged	
Operating AltitudeMin	Ft	2000.0000	
Operating AltitudeMax	Ft	6500.0000	
Housing/Enclosure material		Cu, Zn, Sn plated Brass	
Mounting		Bracket or Bulkhead through-hole	
IP Environmental rating/IP		IP65	
NEMA Environmental rating/NEMA		NEMA 4	
Installation Location		Indoor / outdoor	
Spare part		BB HF 250/20	
Accessories		BK series mounting bracket	
Product DimensionL	mm	64.0000	
Product DimensionH	mm	26.0000	
Product DimensionW	mm	13.8000	
Product DimensionL	In	2.5100	
Product DimensionH	In	1.0200	



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Product Dimension <i>W</i>	In	0.5400
Miscellaneous		
Individual Pack		No
Storage Temperature <i>Min</i>	°C	-40.0000
Storage Temperature <i>Max</i>	°C	85.0000
Storage Temperature <i>Min</i>	°F	-40.0000
Storage Temperature <i>Max</i>	°F	85.0000
Mechanical Characteristics		
Technology		Gas discharge tube
Connection to Network		Connector N Female/SMA Female
Mounting		Bulkhead or Bracket
Operating temperature	Tu	-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		Housing-Cu, Zn, Sn plated Brass
NEMA RATING (IP RATING)		NEMA 6P (IP67)
DIMENSIONS		See diagram
WEIGHT		0.30 lbs
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		
610928		

