

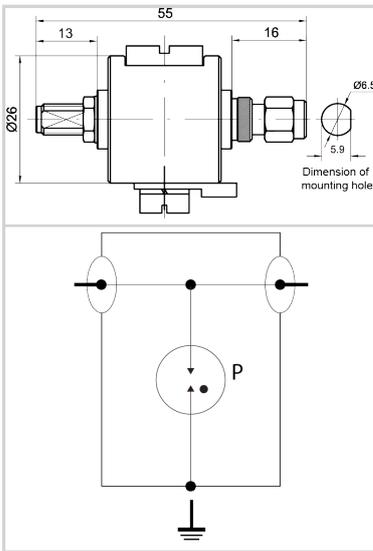


P8AX09-SMA/MF

CITEL



►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	72 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 <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	20 kA	
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		25 W	
DC Pass		Yes	
Insulation resistance	IR	≥10 GOhms	
RF Power <i>Maximum</i>	W	25.0000	
Return Loss <i>Minimum</i>	db	20	
VSWR <i>Maximum</i>	:1	<1.2:1	
Max Total Discharge Current <i>I_{max} (8/20μs x 1)</i>	kA	10.0000	
Max Discharge Current <i>I_{max} (8/20μs x 1)</i>	kA	10.0000	
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 <i>8/20μs</i>	(kA)	20	
FREQUENCY RANGE	(GHz)	0-4.0	
INSERTION LOSS (@ FREQ)	(db)	<0.2	
RETURN LOSS	(db)	22	
VSWR		<1.25:1	
Installation			
Operating Temperature <i>Min</i>	°C	-45.0000	
Operating Temperature <i>Max</i>	°C	85.0000	
Operating Temperature <i>Min</i>	°F	-50.0000	
Operating Temperature <i>Max</i>	°F	85.0000	
Operating Relative Humidity <i>Max</i>	%RH	Can be submerged	
Operating Altitude <i>Min</i>	Ft	2000.0000	
Operating Altitude <i>Max</i>	Ft	6500.0000	
Housing/Enclosure material		Cu, Zn, Sn plated Brass	
Mounting		Bracket or through hole	
IP Environmental rating <i>IP</i>		IP65	
NEMA Environmental rating <i>NEMA</i>		NEMA 4	
Installation Location		Indoor / outdoor	



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Spare part		BB HF 90/20
Accessories		BK
Product Dimension L	mm	55.0000
Product Dimension H	mm	26.0000
Product Dimension W	mm	5.9000
Product Dimension L	In	2.0900
Product Dimension H	In	1.0200
Product Dimension W	In	0.2300
Miscellaneous		
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 SMA Male/Female
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		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		
60501		

