

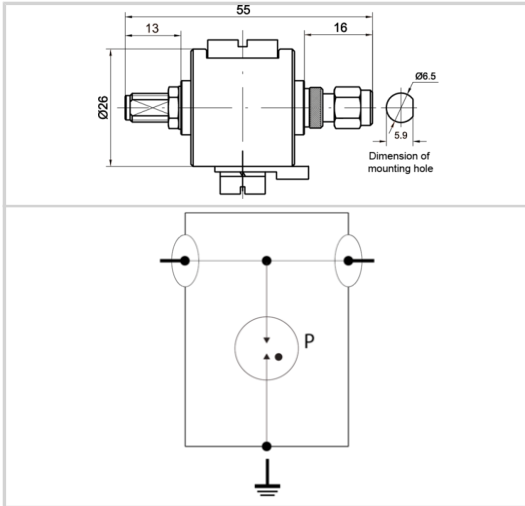


# CITEL

## P8AX09-SMA/MF



➤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
Protection mode(s)			Common mode
Impulse current 2 x 10/350µs Test - D1 Category	limp		1 kA
Nominal discharge current C2 Category	In		5 kA
Max Power			25 W
DC Pass			Yes
Insulation resistance	IR		≥10 GOhms
RF Power Maximum	W		25.0000
Return Loss Minimum	db		>20
VSWR Maximum	:1		<1.2:1
Max Total Discharge Current Imax (8/20µs x 1)	kA		10.0000
Max Discharge Current Imax (8/20µs x 1)	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 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 through hole
IP Environmental rating/IP			IP65
NEMA Environmental rating/NEMA			NEMA 4
Installation Location			Indoor / outdoor
Spare part			BB HF 90/20
Accessories			BK
Product DimensionL	mm		55.0000
Product DimensionH	mm		26.0000
Product DimensionW	mm		5.9000

Product Dimension <i>L</i>	In	2.0900
Product Dimension <i>H</i>	In	1.0200
Product Dimension <i>W</i>	In	0.2300
<b>Miscellaneous</b>		
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
<b>Mechanical Characteristics</b>		
Technology		Gas discharge tube
Connection to Network		Connector SMA Male/Female
Failsafe mode		Short-circuit
Contacts		Bronze/Surface Au-Ag
Insulation material		PTFE
Weight		0.096 kg
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
<b>Standards</b>		
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
<b>Part number</b>		
60501		