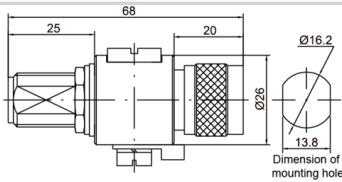


P8AX09-N/MF


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



Electrical Characteristics		
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	IL	10 A
Protection mode(s)		Common mode/Differential mode
Impulse current 2 x 10/350µs Test - D1 Category	I _{imp}	1 kA
Nominal discharge current C2 Category	I _n	5 kA
Max Power		25 W
DC Pass		Yes
Insulation resistance	IR	≥10 GOhms
RF PowerMaximum	W	25.0000
Return LossMinimum	db	>20
VSWRMaximum	:1	<1.25
Max Total Discharge CurrentI _{max} (8/20µs x 1)	kA	10.0000
Max Discharge CurrentI _{max} (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
POWER RATING	(W)	25
AMBIENT MIN	(C)	-40
AMBIENT MAX	(C)	+85
RESIDUAL VOLTAGE	(V)	700
IMAX8/20µs	(kA)	20
FREQUENCY RANGE	(GHz)	0-4.0
INSERTION LOSS (@ FREQ)	(db)	<0.2
RETURN LOSS	(db)	>22
VSWR		<1.25:1
IMPEDANCE	Ω	50
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 ratingIP		IP65
NEMA Environmental ratingNEMA		NEMA 4
Installation Location		Indoor / outdoor
Spare part		BB HF 90/20
Accessories		BK
Product DimensionL	mm	68.0000
Product DimensionH	mm	26.0000
Product DimensionW	mm	13.8000
Product DimensionL	In	2.6800
Product DimensionH	In	1.0200
Product DimensionW	In	0.5400
Miscellaneous		
Individual Pack		No

P8AX09-N/MF

Storage TemperatureMin	°C	-40.0000
Storage TemperatureMax	°C	85.0000
Storage TemperatureMin	°F	-40.0000
Storage TemperatureMax	°F	85.0000
Mechanical Characteristics		
Contacts		Bronze/Surface Au-Ag
Insulation material		PTFE
Weight		0.146 kg
TECHNOLOGY		GDT
CONNECTION METHOD		SERIES CONNECTOR, BI-DIRECTIONAL
CONNECTOR TYPE		N
GENDER		MALE 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 90/20
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		
60001		

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