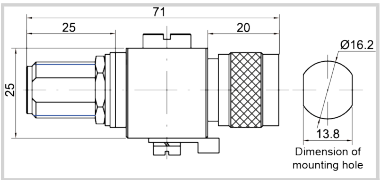
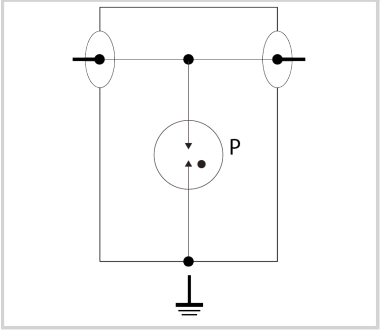
- UL497E LISTED - Imax 20kA (10kA UL) - In 10kA (10kA UL) - Bi-directional - Replaceable Gas Tube

P8AX09-6G-N/MF

- Gas Discharge Tube Technology, DC Pass
- Frequency Range 0-6 GHz
- Imax 20kA, 10kA (UL), In 10kA
- IP67 Outdoor Rated
- SMA Type Connector
- Bi-Directional
- Replaceable Gas Tube





Electrical Characteristics		
Max. DC operating voltage	Uc	120 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*	Imax	15 kA
Nominal discharge current *C2 Category*	In	5 kA
Protection mode(s)		Common mode
Impulse current *2 x 10/350µs Test - D1 Category*	limp	1 kA
Max RF Power		25 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 Power *Maximum*	W	25.0000
Return Loss *Minimum*	db	20
VSWR *Maximum*	:1	<1.25
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
POWER RATING	(W)	25
AMBIENT MIN	(C)	-40
AMBIENT MAX	(C)	+85
RESIDUAL VOLTAGE	(V)	700
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

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Mounting		Bracket or throught hole
IP Environmental rating*IP*		IP65
NEMA Environmental rating*NEMA*		NEMA 4
Installation Location		Indoor / outdoor
Spare part		BA HF 90/20
Accessories		BK
Product Dimension*L*	mm	71.0000
Product Dimension*H*	mm	25.0000
Product Dimension*W*	mm	13.8000
Product Dimension*L*	In	2.8000
Product Dimension*H*	In	0.9800
Product Dimension*W*	In	0.5400
Miscelaneous		
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 Male/Female
Mounting		Feedthrough
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
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		
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		
68001		

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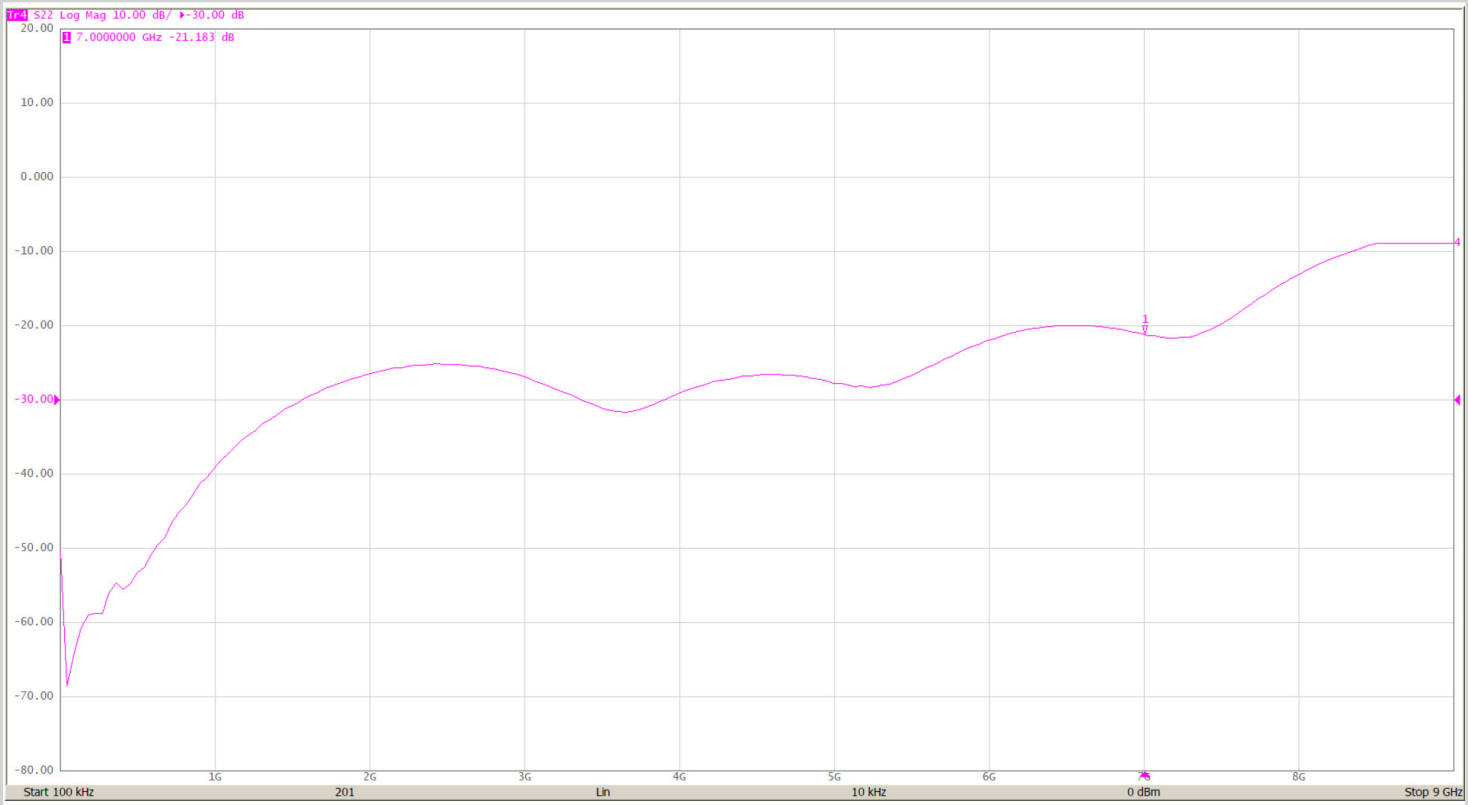

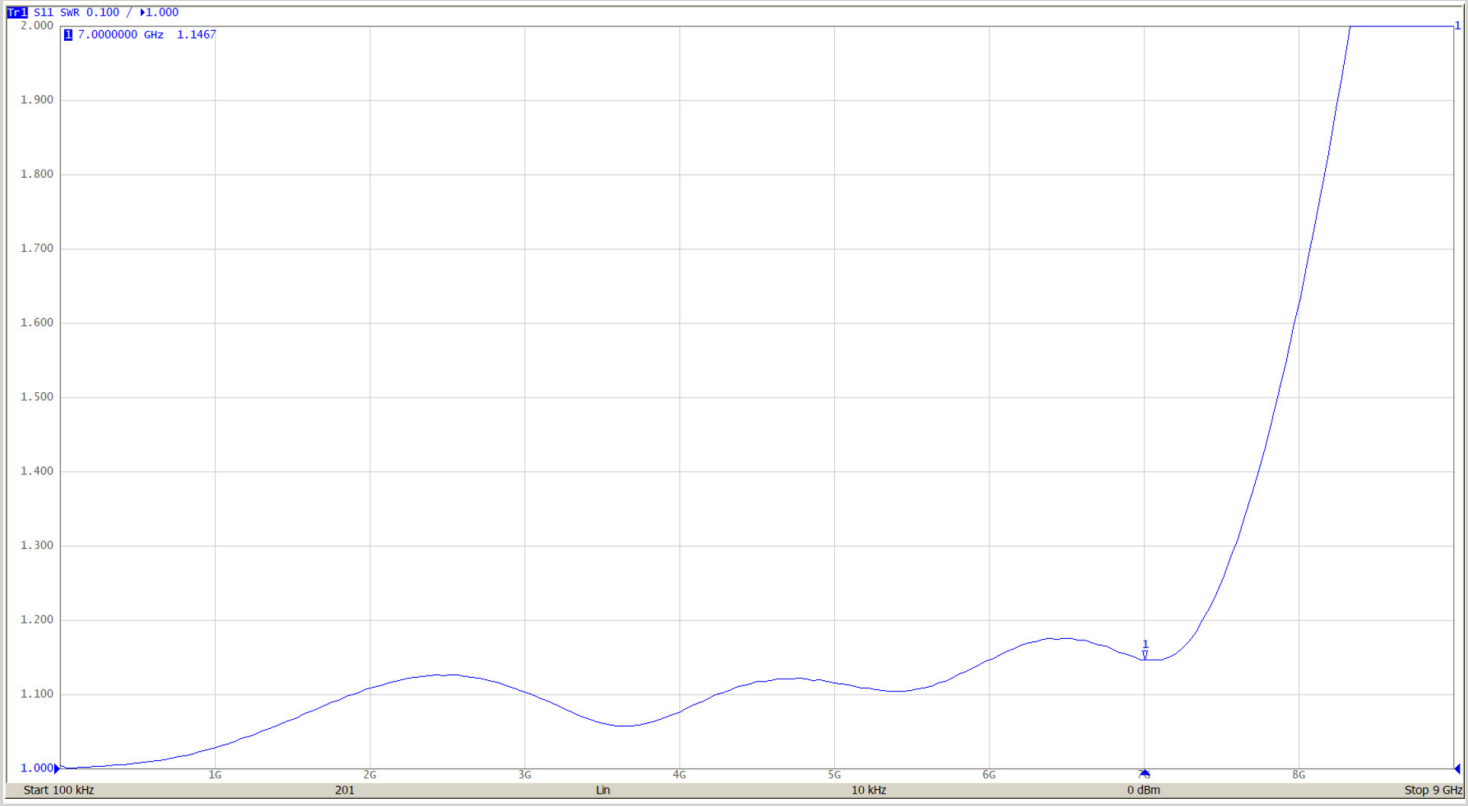
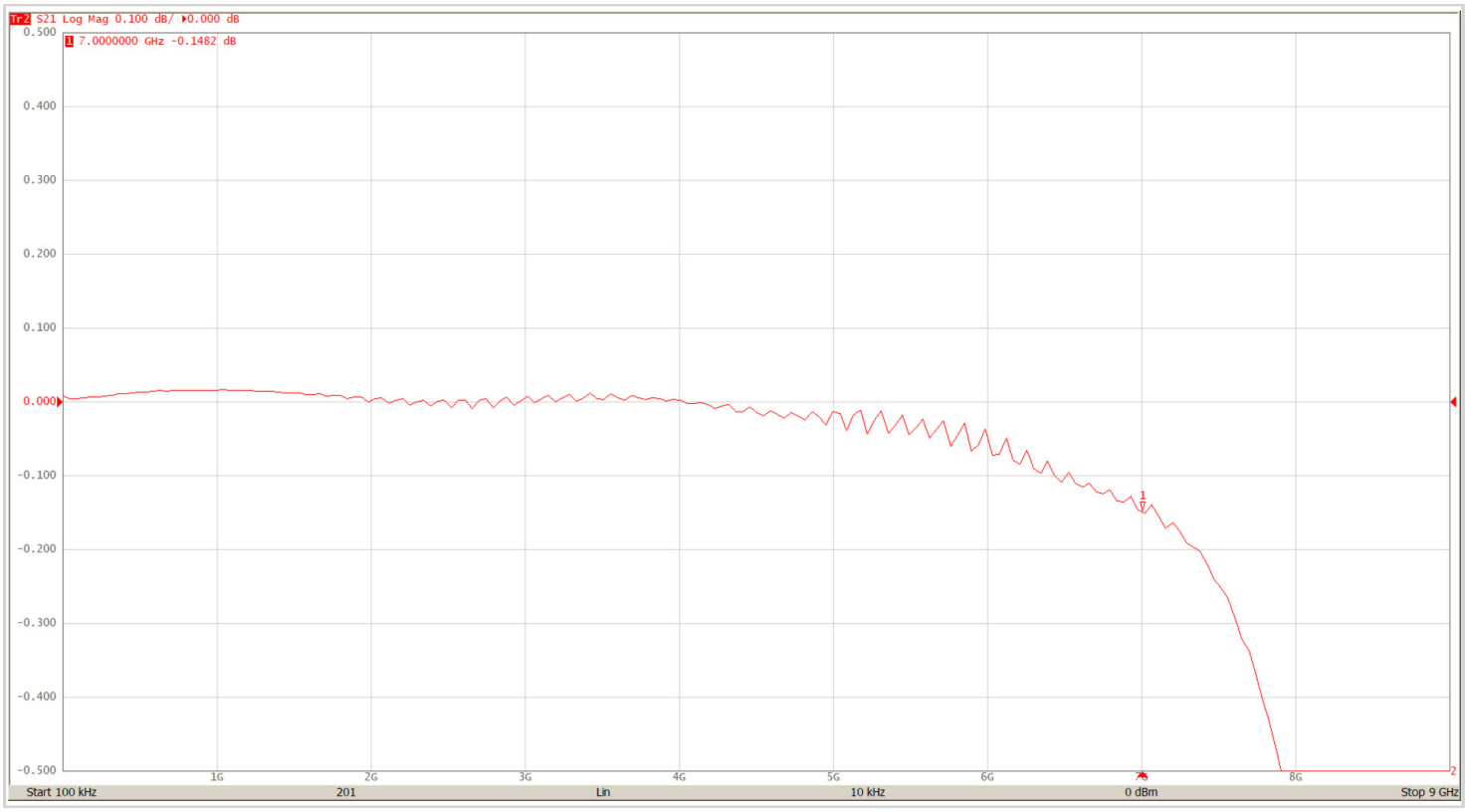
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