



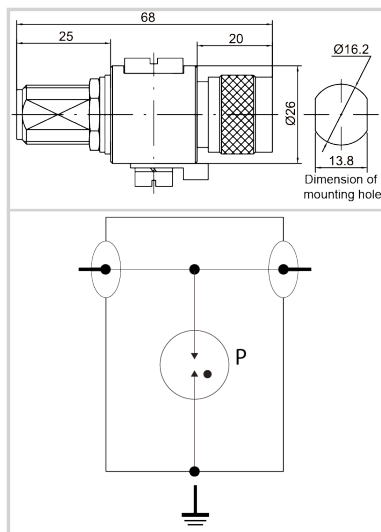
CITEL

Coaxial surge protector DC-3.5 GHz

P8AX09-N/MF



- RF coaxial surge protector
- 3.5 GHz
- Connectors: N
- Low insertion loss
- Removable GDT
- DC-pass
- Bi-directional protection
- Conforms to IEC/EN 61643-21
- SPD categories D1, C3, C2

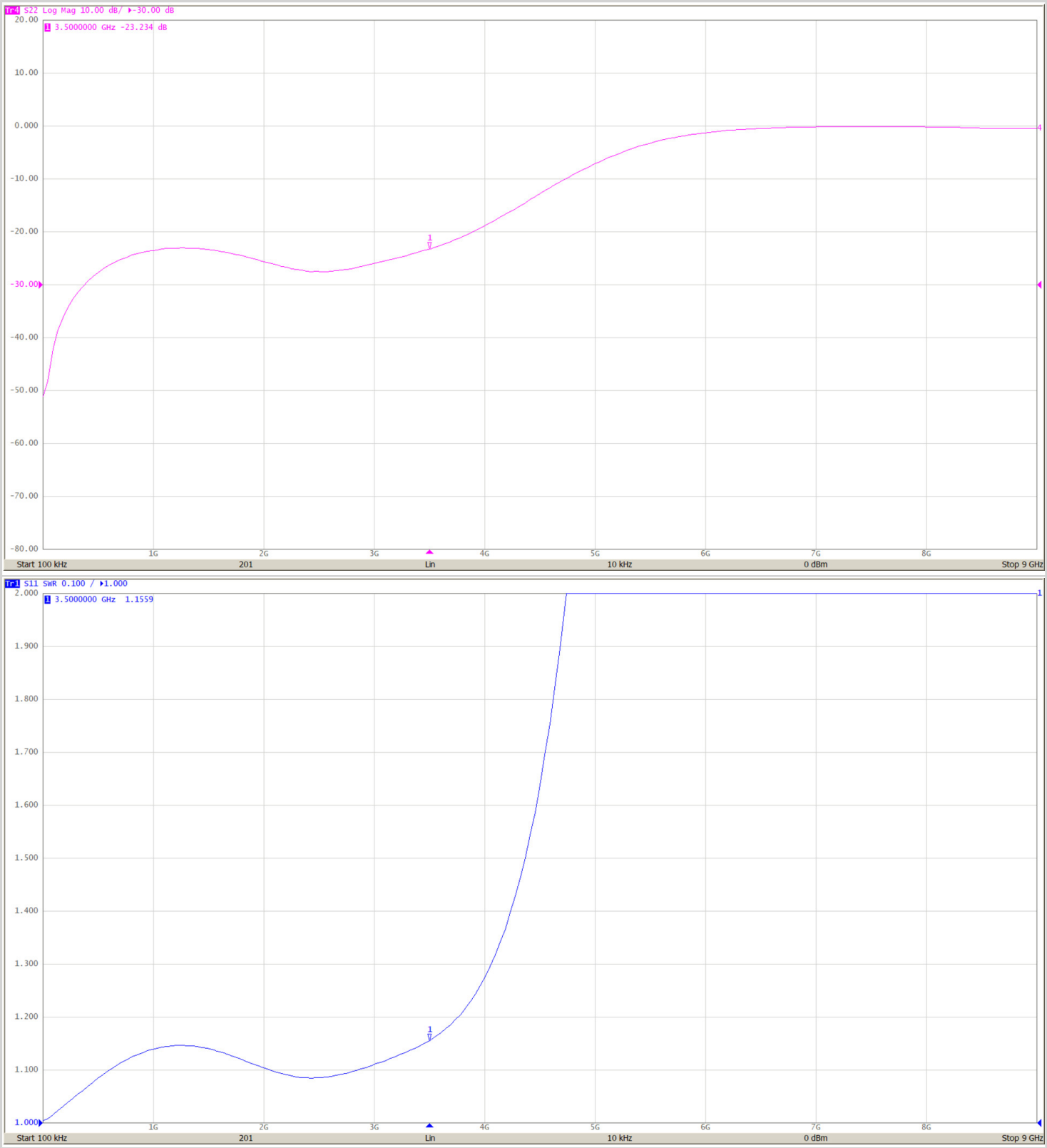


Electrical Characteristics		
Lightning Protection Zones (LPZ)		0 - 3
Max. DC operating voltage	Uc	72 Vdc
Frequency range	f	DC-3.5 GHz
Insertion loss		< 0.2 dB
Return loss		> 20 dB
Impedance		50 ohms
VSWR		<1.2:1
Max. load current @25°C	IL	10 A
Residual Current		
Leakage current to Ground	Ipe	None
Max. discharge current max. withstand @ 8/20 µs by pole	I _{max}	20 kA
Nominal discharge current C2 (1.2/50µs / 8/20µs), 10 applications X-C (Line/Earth)	I _n	10 kV / 5 kA
Protection Level C2 (1.2/50µs / 8/20µs), 10 applications, Y-C (Line-Earth)	U _p	< 1000 V
Protection Level C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth)	U _p	< 700 V
Impulse current D1 (10/350µs), 2 applications, X-C (Line/Earth)	I _{imp}	500 A
Max RF Power		25 W
Typical let through energy (50 ohms) input 4kV 1.2/50µs - 2kA 8/20µs		300 µJ
DC Pass		Yes
Insulation resistance	IR	≥10 GOhms
Mechanical Characteristics		
Technology		Gas discharge tube
Connection to Network		Connector N Male/Female
Mounting		Bulkhead or Bracket
Housing material		Brass/Surface plating: Cu Zn Sn
Operating temperature	Tu	-40/+85°C
Relative Humidity		5 - 85%
Ingress Protection rating		IP66
Failsafe mode		Transmission cut-off - fault mode 2 (short circuit)
Disconnection indicator		Transmission interrupt
Spare module(s)		BBHF-90V
Dimensions		See diagram
Contacts		Bronze/Surface Au-Ag
Standards		
Standards compliance		IEC 61643-21 / EN 61643-21 / UL497E
UL Category		QVLA - Antenna lead-in conductors
UL File Number		E349646
Environmental standards		EU RoHS
Part number		
60001		



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