

RF Coaxial Surge Protectors

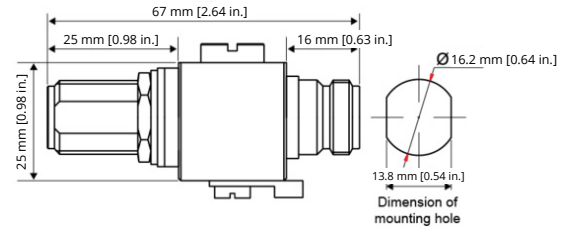
MPSS0-6900-NF



These SPD components are designed for very harsh environmental conditions when deploying wireless antennas in outdoor environments

Features and Benefits

- Gas Discharge Tube Technology, DC Pass
- Frequency Range 0-6.9GHz
- I_{max} 20 kA, 10 kA (UL), I_n 10 kA
- IP67 Outdoor Rated
- N-Type Connector
- Bidirectional
- Replaceable Gas Tube



Electrical Specifications

Frequency Range (GHz)	DC-7
Insertion Loss (dB)	< 0.2
Return Loss (dB)	≥20
Impedance (Ohms)	50
VSWR	<1.20:1
Max. Load Current (A)	10
Impulse Current 2 x 10/350µs Test - D1 Category (kA)	1
Nominal Discharge Current C2 Category (kA)	2.5
Max Power (W)	25
DC Pass	Yes
Insulation Resistance (Ohms)	≥10
RF SPD Type	UL497E Listed
Volts (V)	48
AC/DC/DC PV/RF	RF
Power Rating (W)	25
Ambient Min (C)	-40
Ambient Max (C)	+85
Residual Voltage (V)	700
IN10 Impulses 8/20µs (kA)	10
IMAX8/20µs (kA) 20 (kA)	20



Enduring Quality, Exceptional Value

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Installation

Operating Temperature Min °C	-45.0000
Operating Temperature Max °C	85.0000
Operating Relative Humidity Max %RH	Can be submerged
Operating Altitude Min ft./m	6000/1829
Operating Altitude Max ft./m	6500/1981
Mounting	Bracket or through hole
Installation Location	Indoor / outdoor
Spare Part	BA HF 90/20
Accessories	BK

Mechanical Characteristics

Contacts	Bronze/Surface Au-Ag
Weight (lbs./kg)	.364/.165
Technology	GDT
Connection Method	Series Connector, Bidirectional
Connector Type	N
Gender	Female-to-Female
Mounting	Bulkhead, Optional Bracket
Material	Cu, Zn, Sn plated Brass, PTFE
IP Rating	IP67
Dimensions	See diagram
Spare Part	MPSS-BA HF 90/20

Standards

RoHS compliance	Yes
UL Standard	UL497E
UL Category	QVLA
UL File Number	E349646
Environmental Standards	RoHS

Miscellaneous

Individual Pack	No
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