



0-7 GHz Lightning Arrestor with 4.3-10 Female to 4.3-10 Female Bulkhead Connectors V-LP-074F-BHF

By Ventev
Catalog # V-LP-074F-BHF

Ventev's Lightning Arrestor is a bi-directional gas discharge tube suppressor that features wide-band operation up to 7 GHz and is rated at IP67. Simply attach the lightning protector to an access point to help protect an entire network, outdoor antennas, and other wireless equipment from the build-up of static electricity. It is recommended that you use 11 American Wire Gauge (AWG) ground wire.

*Ventev's lightning arrestors have been evaluated for compliance with the Reduction of Hazardous Substance, ROHS 3 Directive 2015/863/EU, and have been determined to not contain substances in excess of RoHS 3 Maximum Concentration Levels

Features

- Bidirectional with DC Pass through
- Gas Discharge Tube (GDT) design with surge current of 20kA
- Rugged IP67 design suitable for indoor and outdoor deployments
- Low VSWR and Insertion losses across the band
- Applications in Wi-Fi, LMR, GPS, cellular networks

Mechanical Specifications

Connectors Type	4.3-10 F to 4.3-10 F Bulkhead
Body Material and Plating	Nickel Plated Brass
Pin Material and Plating	Silver Plated Bronze
Insulation Material	PTFE
Net Weight	~0.28 lbs
Dimensions	2.19 x 0.91 x 0.91 in.
Durability	≥ 500 cycles
Operating Temperature Range	-40°C to +65°C
Storage Temperature Range	-50°C to +85°C
Ingress Protection	IP67
Applications	Indoor and Outdoor



Electrical Specifications

Frequency	DC-7000 MHz
Impedance	50Ω
VSWR	DC – 1000 MHz - ≤1.1 1000-3000 MHz - ≤1.3 3000-4000 MHz - ≤1.3 4000-7000 MHz - ≤1.45
Insertion Loss, dB	DC – 1000 MHz - ≤0.1dB 1000 – 3000 MHz - ≤0.2dB 3000– 4000 MHz - ≤0.3dB 4000 – 7000 MHz - ≤0.5dB
Input CW Power, Watts	@ 30 MHz – 1000 Watts @ 3 GHz – 500 Watts
Operating Voltage	90V
Operating Current	10 Amps
Maximum Surge Current	20 KA
Nominal Surge Current	10 KA
Spark-over Voltage	230 V
Maximum Impulse Spark-over Voltage	500 V
Response Time	≤ 10 ns
Dielectric Resistance	≥ 5000 MΩ
Dielectric Withstanding Voltage	≥ 2500 V RMS
Center Conductor Contact Resistance	≤ 0.4 mΩ
Outer Conductor Contact Resistance	≤ 0.4 mΩ
Residual Voltage	≤ 30 V
Grounding Wire Size	11 AWG



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