

RF Surge Protector, Reverse Polarity TNC F/F, DC - 6GHz, DC Pass 60Vdc



AL-RTPRTPER-1

Features

- Broadband Performance from DC to 6 GHz
- Repetitive Lightning Strike Capability
- Bi-directional Protection
- Replaceable Gas Tube for Installation Longevity
- Robust Brass Construction

Applications

- WiFi
- Wireless Base Stations
- Automotive
- Avionics
- Military Communications

Description

RF surge protector (also known as lightning arrestor) AL-RTPRTPER-1 from LCOM utilizing a gas discharge tube design to protect critical hardware while maintaining the RF performance. This RF surge protector component is manufactured in a coaxial in-line design with wide operating frequency range. LCOM RF surge protector products are available in stock with same day shipping.

Electrical Specifications

Surge Protector Type		Gas Discharge Tube		
Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
Impedance		50		Ohms
VSWR			1.2:1	
Insertion Loss			0.6	dB
Operating Voltage (DC)			60	Volts
Surge Current		5		kA
IEC 61000-4-5 8/20µs				
Turn On Voltage		90		Volts

Mechanical Specifications

Size

Length	2.3 in [58.42 mm]
Width/Diameter	0.9 in [22.86 mm]
Height	1.2 in [30.48 mm]
Weight	0.25 lbs [113.4 g]
Housing Material and Plating	Brass, Nickel

Configuration

Input Connector	Female
Output Connector	Female

Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

RF Surge Protector, Reverse Polarity TNC F/F, DC - 6GHz, DC Pass 60Vdc from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

URL: <https://www.l-com.com/surge-protector-6ghz-gas-discharge-tube-al-al-rtptrper-1-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

AL-RTPRTPER-1 CAD Drawing

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