



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

RF Surge Protectors Technical Data Sheet

AL-RTPRTJER-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-RTPRTJER-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 IEC 61000-4-5 8/20 μ s		5		kA
Turn On Voltage		90		Volts

Mechanical Specifications

Size

Length	2.1 in [53.34 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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RF Surge Protector, Reverse Polarity TNC F/F, DC - 6GHz, DC Pass 60Vdc AL-RTPRTJER-1](#)



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Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Our portfolio includes cable assemblies, connectors, adapters and custom products, as well as their wireless product line which includes antennas, RF amplifiers, coaxial lightning and surge protectors, and NEMA rated enclosures.

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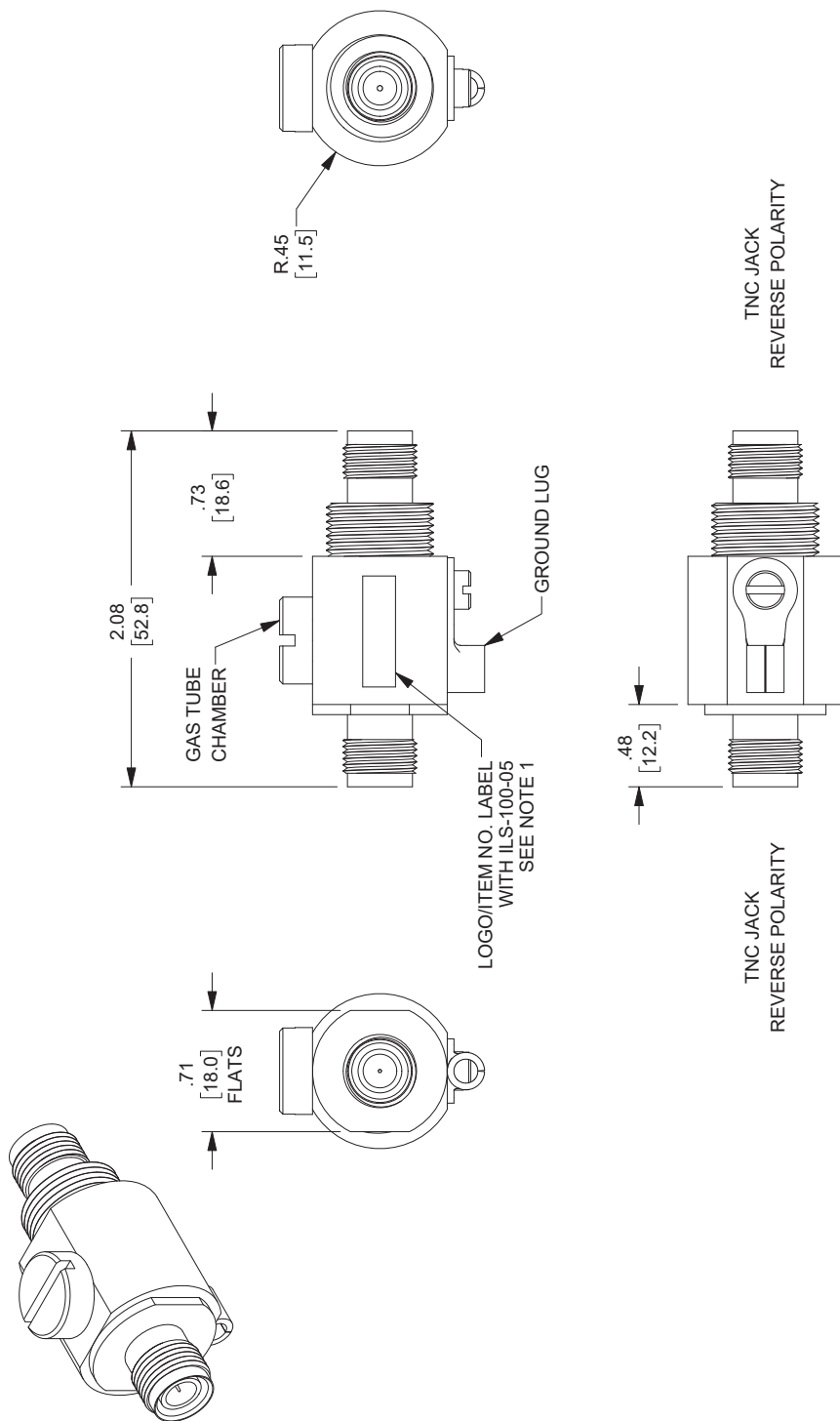
URL: <https://www.l-com.com/surge-protector-6ghz-gas-discharge-tube-al-al-rtprtjer-1-p.aspx>

The information contained in 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 any liability arising out of the use of any part or documentation.

AL-RTPRTJER-1 CAD Drawing

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

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/11/22	DREBECK



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
 X = ±.2 [5.08]
 XX = ±.02 [.51] ± 1/32
 XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:
 L ≤ 12 [305] = +1 [25] / -0
 12 [305] < L ≤ 60 [1524] = +2 [51] / -0
 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
 300 [7620] < L = +5% / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

L-com™
an INFINITE brand
 50 High Street, West Mill, 3rd Floor, Suite #30
 North Andover, MA 01845 USA.
 Phone: 1.800.341.5266 | 1.978.682.6936
 Fax: 1.978.689.9484
 Website: www.L-com.com
 E-mail: CustomerService@L-com.com

SIZE A CAGE CODE A 43321 DRAWN BY DFRISIELLO ITEM NO. AL-RTPRTJER-1 REV A

NOTES:

- SEE LABEL SPECIFICATION ILS-100. FOR INTERNAL REFERENCE ONLY.

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