

10 Watt RF Load Up to 6 GHz with NEX10 Male Aluminum Body



LCTR1161

Features

- DC to 6 GHz Frequency Range
- 50 Ohm Impedance
- NEX10 Male Coaxial Interface
- Max VSWR 1.20:1
- Max Power 10 Watts (CW)

Applications

- 5G Cellular Bands
- SatCom
- Radar Systems
- Test and Measurement
- Commercial and Military Communication
- DAS Systems

Description

L-com's LCTR1161 is an RF termination (also called RF load or dummy load) that operates from DC to 6 GHz and handles up to 10 Watt (CW). Our NEX10 termination / load has a male gender. LCTR1161 NEX10 load termination offers 1.25:1 max VSWR.

RF load / terminations are indispensable components in many RF, microwave and millimeter wave systems where signal reflection from unused ports can potentially damage the device or reduce the signal integrity. By using a terminator on an unused port with a matched load (dummy load), the incident energy will be absorbed with minimal reflection. These termination components are commonly used to terminate devices such as couplers, circulators, and switches. They are also widely used in measurement systems to ensure accurate results. L-com offers a huge selection of RF, microwave and millimeter wave terminations up to 18 GHz with excellent performance over the entire operating range.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
Impedance		50		Ohms
VSWR, Input			1.2:1	
Input Power (CW)			10	Watts
Input Power (Peak)			100	Watts
20µs pulse, 8% duty cycle				

Mechanical Specifications

Size	
Length	1.76 in [44.7 mm]
Width	0.63 in [16 mm]
Height	0.63 in [16 mm]
Weight	0.05 lbs [22.68 g]
Package Type	Connectorized

Configuration	
Connector	NEX10 Male

Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Silver

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Material Specifications

Description	Material	Plating
Insulation	PTFE	
Connector 1 Body	Brass	Tri-Metal
Housing	Aluminum	

Environmental Specifications

Temperature

Operating Range	-40 to +75 deg C
Storage Range	-50 to +85 deg C
Humidity	<95%
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-6-Fc
Altitude	<5000m
Thermal Shock	IEC 60068-2-14-Na

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

10 Watt RF Load Up to 6 GHz with NEX10 Male Aluminum Body 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/10-watt-rf-load-up-6-ghz-nex10-male-aluminum-body-lctr1161-p.aspx>

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LCTR1161 CAD Drawing

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