

2 Watt RF Load DC to 12 GHz With N Female Brass Body



LCTR1143

Features

- DC to 12 GHz Frequency Range
- 50 Ohm Impedance
- N Female Coaxial Interface
- Max VSWR 1.2:1
- Max Power 2 Watts (CW)

Applications

- WIFI 6E
- 5G Cellular bands
- SatCom
- Radar Systems
- Test and Measurement
- Commercial and Military Communication

Description

L-com's LCTR1143 is an RF termination (also called RF load or dummy load) that operates from DC to 12 GHz and handles up to 2 Watt (CW). Our N termination / load has a female gender. LCTR1143 N load termination offers 1.2:1 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 65 GHz with excellent performance over the entire operating range and power handling capabilities up to 800 Watt (CW).

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12	GHz
Impedance		50		Ohms
VSWR			1.2:1	
Input Power (CW)			2	Watts
Derated linearly to 1W at +165°C				
Dielectric Withstanding Voltage (DC)			2,500	Vdc
Operating Voltage (DC)			1,000	Vdc

Mechanical Specifications

Size

Length	1.04 in [26.42 mm]
Width	0.622 in [15.8 mm]
Height	0.622 in [15.8 mm]
Weight	0.075 lbs [34.02 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[2 Watt RF Load DC to 12 GHz With N Female Brass Body LCTR1143](#)

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Configuration

Connector N Female

Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold
Insulation	PPO	
Body	Brass	Copper-Tin-Zinc Alloy

Environmental Specifications

Temperature

Operating Range -55 to +165 deg C
 Humidity MIL-STD-202, Method 106
 Thermal Shock MIL-STD-202, Method 107, Condition B
 Salt Spray MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

Notes:

2 Watt RF Load DC to 12 GHz With N Female Brass 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. Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 2 Watt RF Load DC to 12 GHz With N Female Brass Body LCTR1143

URL: <https://www.l-com.com/2-watt-rf-load-dc-12-ghz-n-female-brass-body-lctr1143-p.aspx>

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L-com CAD Drawing

