

# 2 Watt RF Load Up to 18 GHz with N Male



## **LCTR1010**

#### **Features**

- Max Power 2W
- Operating temp range from -55 to 85C

- Frequency range from DC to 18GHz
- VSWR <1.30:1</li>

# **Applications**

· Signal splitters

- · 50 Ohm applications
- · Coaxial termination

### Description

L-com's LCTR1010 is an RF termination (also called RF load or dummy load) that operates from DC to 18 GHz and handles up to 2 Watt (CW). This N-type termination / load has a male gender. LCTR1010 termination offers 1.30:1 max VSWR.

RF loads/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.

## **Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
VSWR			1.3:1	
Input Power (CW)			2	Watts
derated linearly to 0.5W @ +125°C				
Input Power (Peak)			500	Watts
5µs pulse with 0.4% duty cycle				

#### **Mechanical Specifications**

#### Size

 Length
 2.08 in [52.83 mm]

 Width
 0.787 in [19.99 mm]

 Weight
 0.011 lbs [4.99 g]

# Configuration

Connector N Male

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 Up to 18 GHz with N Male LCTR1010



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## **LCTR1010**

## **Material Specifications**

Description	Material	Plating	
Connector 1 Contact	Brass	Gold	
Body	Brass	Nickel	
Coupling Nut	Brass	Nickel	
Housing	Aluminum		

# **Environmental Specifications**

**Temperature** 

Operating Range

-55 to +85 deg C

Compliance Certifications (see product page for current document)

#### **Plotted and Other Data**

Notes:

2 Watt RF Load Up to 18 GHz with N Male 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 Up to 18 GHz with N Male LCTR1010

#### URL: https://www.l-com.com/2-watt-rf-load-up-18-ghz-n-male-lctr1010-p.aspx

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# **L-com CAD Drawing**

