

## 2 Watt RF Load Up to 12 GHz with 75 Ohm TNC Male Tri-Metal over Copper Plated Brass



### LCTR1192

#### Features

- DC to 12 GHz Frequency Range
- 75 Ohm Impedance
- TNC Male Coaxial Interface
- Max VSWR 1.25:1
- Max Power 2 Watts (CW)

#### Applications

- 8k UHD TV
- Video Distribution
- Test and Measurement

#### Description

L-com's LCTR1192 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 TNC termination / load has a male gender. LCTR1192 TNC 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 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		75		Ohms
VSWR, Input			1.25:1	
Input Power (CW)			2	Watts
2W average power from -55°C to +70°C linearly derated to 1W at 165°C				
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Operating Voltage (AC)			500	Vrms

#### Mechanical Specifications

##### Size

Length	1.27 in [32.26 mm]
Width	0.62 in [15.75 mm]
Height	0.62 in [15.75 mm]
Weight	0.2 lbs [90.72 g]

##### Configuration

Connector	TNC Male
Mating Torque	4.1 to 6.1 in-lbs [0.46 to 0.69 Nm]
Durability	500 Cycles

2 Watt RF Load Up to 12 GHz with 75 Ohm TNC  
Male Tri-Metal over Copper Plated Brass



**LCTR1192**

**Material Specifications**

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold over Nickel-Phosphorus Alloy over Copper
Insulation	Teflon	
Gasket	Silicone	
Connector 1 Body	Brass	Tri-Metal over Copper
Coupling Nut	Brass	Tri-Metal over Copper
Housing	Brass	Tri-Metal over Copper

**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:

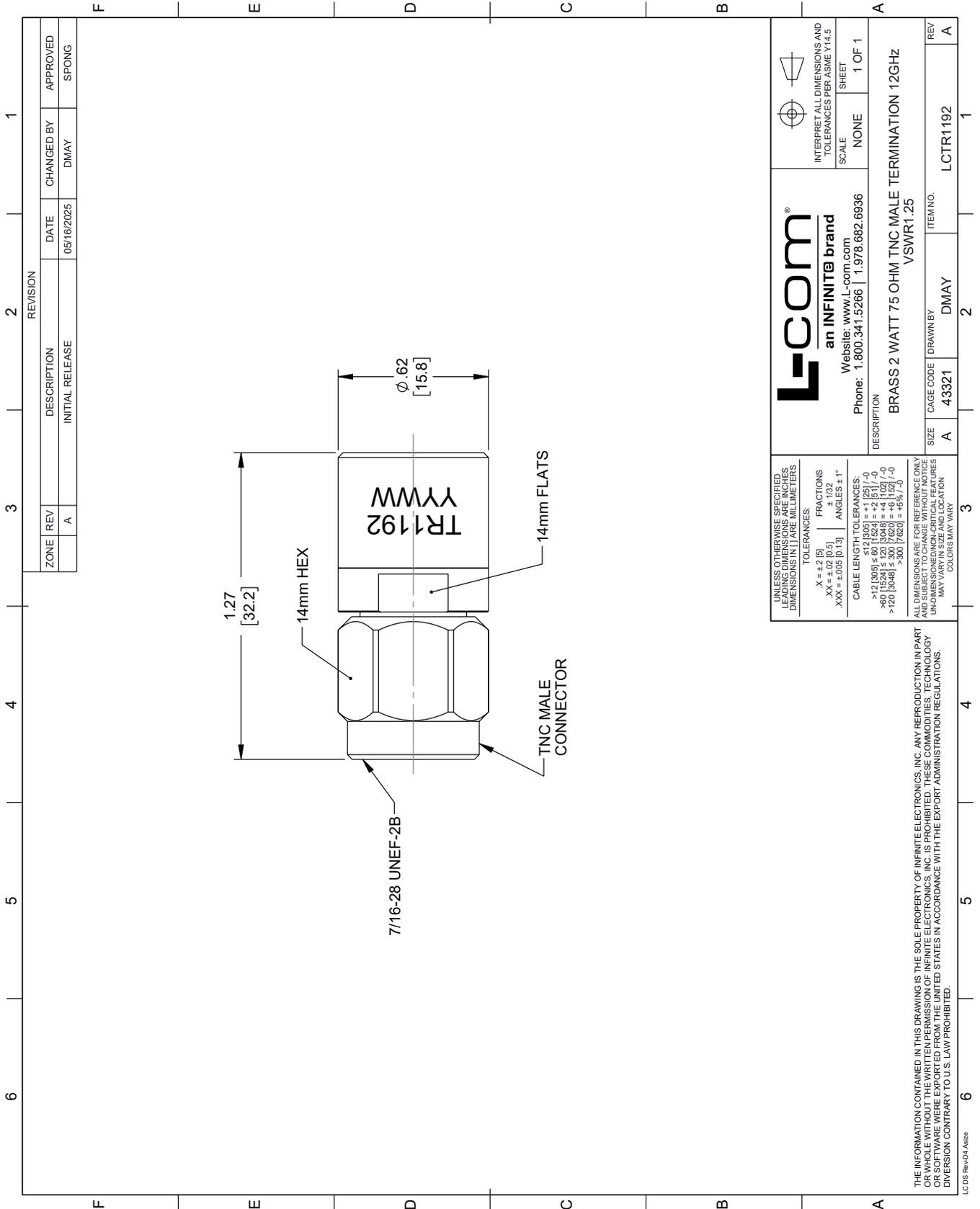
2 Watt RF Load Up to 12 GHz with 75 Ohm TNC Male Tri-Metal over Copper Plated Brass from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

URL: <https://www.l-com.com/2-watt-rf-load-up-12-ghz-75-ohm-tnc-male-tri-metal-over-copper-plated-brass-lctr1192-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.

# LCTR1192 CAD Drawing

2 Watt RF Load Up to 12 GHz with 75 Ohm TNC Male Tri-Metal over Copper Plated Brass



REVISION		DATE	CHANGED BY	APPROVED	
ZONE	REV	DESCRIPTION	INITIAL RELEASE	DMAY	SPONG
A					

<p><b>L-com</b> an INFINITE brand Website: www.L-com.com Phone: 1.800.341.5266   1.978.682.6936</p>		<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1</p>
<p>DESCRIPTION: BRASS 2 WATT 75 OHM TNC MALE TERMINATION 12GHZ VSWR1.25</p>		
SIZE	CAGE CODE	ITEM NO.
A	43321	LCTR1192
REV	A	

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

TOLERANCES:  
 .X = ±.2 [5]      FRACTIONS ± 1/32  
 .XX = ±.02 [0.5]      ANGLES ± 1°  
 .XXX = ±.005 [0.13]

CABLE LENGTH TOLERANCES:  
 <12 [305] ≤ 60 [1524] = +.2 [5] / -0  
 >60 [1524] ≤ 120 [3048] = +.4 [102] / -0  
 >120 [3048] ≤ 300 [7620] = +.6 [15.2] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SERVICES ARE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

LC 05 Rev-D4 Atize