

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



### LCTR1194

#### Features

- DC to 12 GHz Frequency Range
- 75 Ohm Impedance
- F-Type 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 LCTR1194 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 F-Type termination / load has a male gender. LCTR1194 F-Type 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
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Operating Voltage (AC)			500	Vrms

#### Mechanical Specifications

##### Size

Length	1.39 in [35.31 mm]
Width	0.62 in [15.75 mm]
Height	0.62 in [15.75 mm]
Weight	0.15 lbs [68.04 g]

##### Configuration

Connector	F Male
Mating Torque	15 to 20 in-lbs [1.70 to 2.26 Nm]
Durability	500 Cycles

#### Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold over Nickel-Phosphorus Alloy over Copper

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#### Material Specifications

Description	Material	Plating
Insulation	PS	
Connector 1 Body	Brass	Tri-Metal over Copper
Housing	Brass	Tri-Metal over Copper

#### Environmental Specifications

##### Temperature

Operating Range

-55 to +100 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:

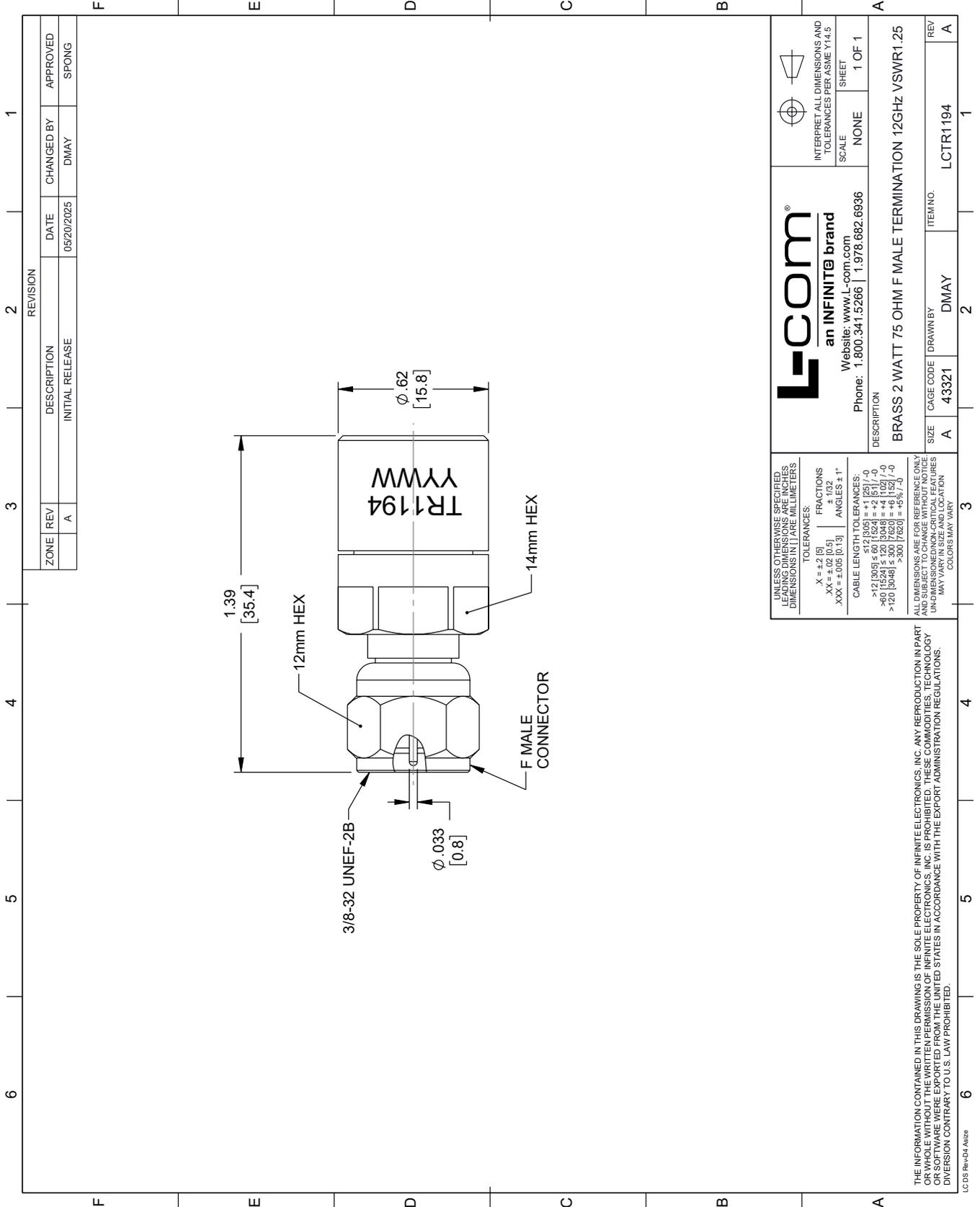
2 Watt RF Load Up to 12 GHz with 75 Ohm F-Type Male Tri-Metal over Copper Plated Brass from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated 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-f-type-male-tri-metal-over-copper-plated-brass-lctr1194-p.aspx>

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# LCTR1194 CAD Drawing

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ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
A		INITIAL RELEASE	05/20/2025	DMAY	SPONG

 <b>an INFINITE brand</b> Website: <a href="http://www.L-com.com">www.L-com.com</a> Phone: 1.800.341.5266   1.978.682.6936		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
DESCRIPTION <b>BRASS 2 WATT 75 OHM F MALE TERMINATION 12GHz VSWR1.25</b>		
SIZE	CAGE CODE	ITEM NO.
A	43321	DMAY
DRAWN BY		REV
DMAY		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] = ±1 [25] / -0  
 >60 [1524] ≤ 120 [3048] = ±4 [102] / -0  
 >120 [3048] ≤ 300 [7620] = ±5% / 0

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

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