

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



### LCTR1195

#### Features

- DC to 12 GHz Frequency Range
- 75 Ohm Impedance
- F-Type Female 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 LCTR1195 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 female 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	1.24 in [31.5 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 Female
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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Female Tri-Metal over Copper Plated Brass



**LCTR1195**

**Material Specifications**

Description	Material	Plating
Insulation	PS	
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 +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:

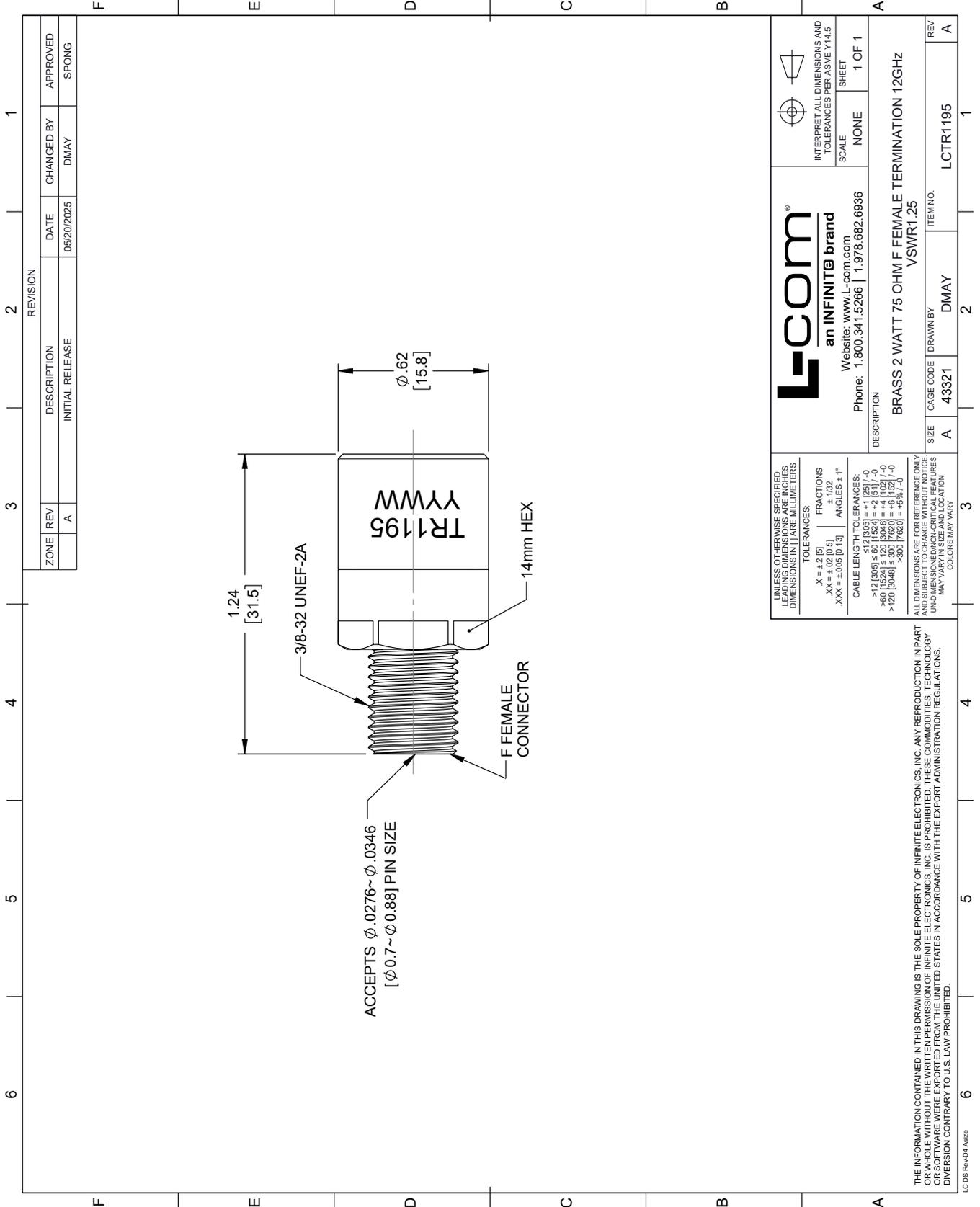
2 Watt RF Load Up to 12 GHz with 75 Ohm F-Type Female Tri-Metal over Copper Plated Brass from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated 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-female-tri-metal-over-copper-plated-brass-lctr1195-p.aspx>

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# LCTR1195 CAD Drawing

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

**L-com**  
an INFINITE brand  
Website: www.L-com.com  
Phone: 1.800.341.5266 | 1.978.682.6936

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5  
SCALE: NONE  
SHEET: 1 OF 1

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND 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 [15.24] = ±.2 [5.1] / -0  
> 12 [305] ≤ 60 [1524] = ±.4 [10.2] / -0  
> 60 [1524] ≤ 120 [3048] = ±.4 [10.2] / -0  
> 120 [3048] ≤ 300 [7620] = ±.6 [15.24] / -0  
ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

DESCRIPTION: BRASS 2 WATT 75 OHM F FEMALE TERMINATION 12GHz  
VSWR1.25

SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	43321	DMAY	LCTR1195

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LC 05 Rev-D4 Atsize