

2 Watt RF Load DC to 12 GHz With SMA Male Stainless Steel Body



LCTR1145

Features

- DC to 12 GHz Frequency Range
- 50 Ohm Impedance
- SMA Male Coaxial Interface
- Max VSWR 1.15:1
- 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 LCTR1145 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 SMA termination / load has a male gender. LCTR1145 SMA load termination offers 1.15:1 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			1.15:1	
Input Power (CW)			2	Watts
Derated linearly to 1W at +165°C				
Dielectric Withstanding Voltage (DC)			1,500	Vdc
Operating Voltage (DC)			500	Vdc

Mechanical Specifications

Size

Length	0.52 in [13.21 mm]
Width	0.315 in [8 mm]
Height	0.315 in [8 mm]
Weight	0.004 lbs [1.81 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 SMA Male Stainless Steel Body LCTR1145](#)

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Configuration

Connector SMA Male

Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold
Insulation	Teflon	
Body	Stainless Steel	Passivated Stainless Steel

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:

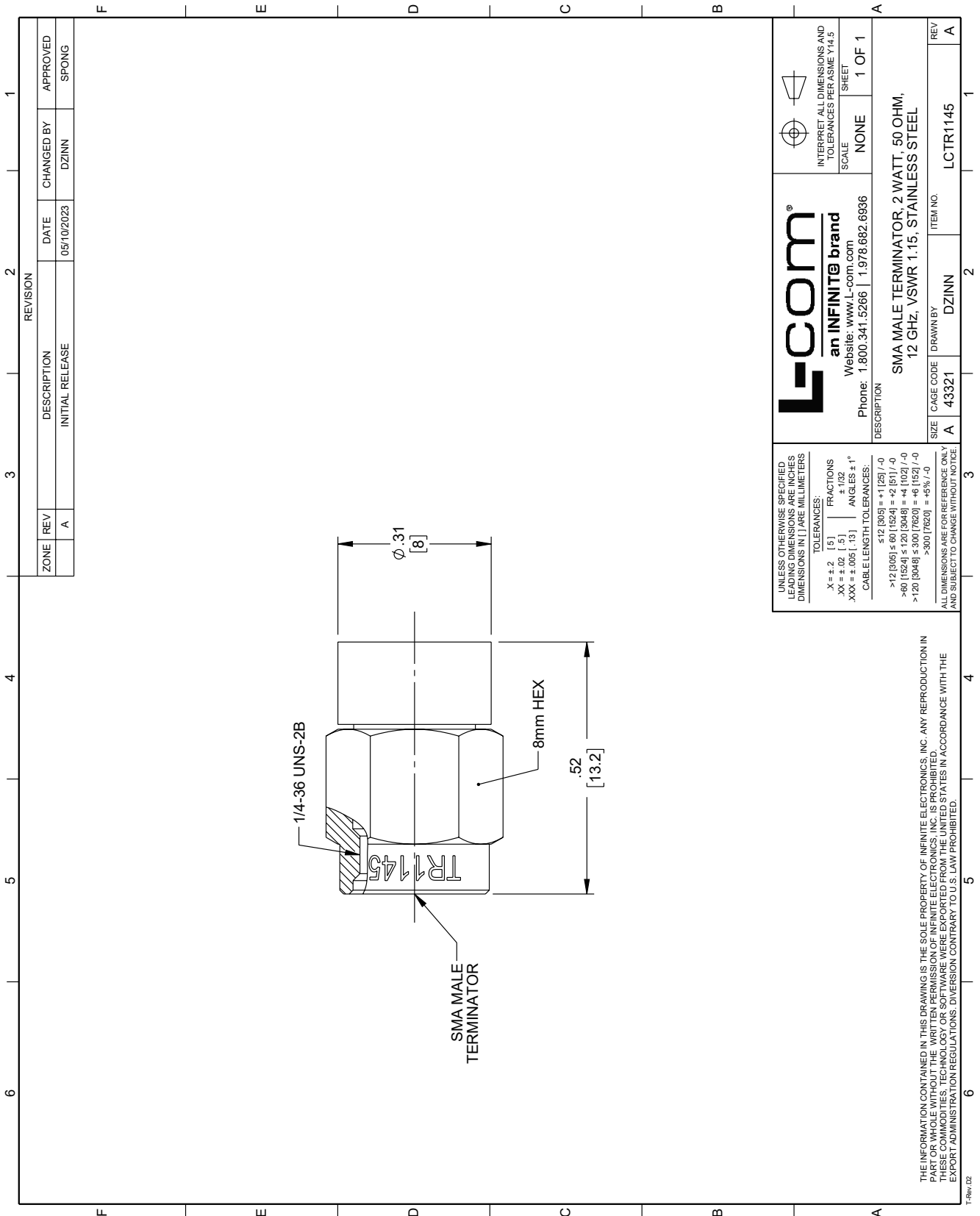
2 Watt RF Load DC to 12 GHz With SMA Male Stainless Steel Body from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF 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 SMA Male Stainless Steel Body LCTR1145

URL: <https://www.l-com.com/2-watt-rf-load-dc-12-ghz-sma-male-stainless-steel-body-lctr1145-p.aspx>

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L-com CAD Drawing



ZONE		REV		DESCRIPTION		DATE		CHANGED BY		APPROVED	
A		A		INITIAL RELEASE		05/10/2023		DZINN		SPONG	

REVISION	
1	INITIAL RELEASE

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

TOLERANCES:
X = ±.2 [5] FRACTIONS
XX = ±.02 [5] ANGLES ±1°
XXX = ±.005 [13]

CABLE LENGTH TOLERANCES:
≤12 [305] ±.1 [25] / -0
>12 [305] ±.001 [25.4] = ±.001 [25.4] / -0
>.60 [152.4] ≤1.20 [30.48] = ±.002 [50.8] / -0
>1.20 [30.48] ≤3.00 [76.20] = ±.003 [76.20] / -0
>3.00 [76.20] = ±.005 [127] / -0

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

DESCRIPTION: SMA MALE TERMINATOR, 2 WATT, 50 OHM, 12 GHz, VSWR 1.15, STAINLESS STEEL

SIZE: A
CAGE CODE: 43321
DRAWN BY: DZINN
ITEM NO.: LCTR1145

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