

### 2W/7 dB Fixed Attenuator, N Male to N Female Passivated Stainless Steel Body Up to 18 GHz

## LCAT7094-07

### Features

- DC to 18 GHz Frequency Range
- Attenuation 7±0.5 dB
- N Type Male/Female Connectors

### **Applications**

### Instrumentation

Precision Measurements

- Prototyping and Characterization
- Production Systems

Max Power 2 Watts (CW)

VSWR < 1.35:1</li>

### Description

L-com carries a wide range of fixed attenuators with a broad selection of attenuation levels and frequency ranges. RF fixed attenuators lower the amplitude of a signal (attenuate) by specific amount and can be used in a wide variety of applications. These attenuators are used when signal levels need to be reduced to protect measurement equipment or other circuitry, to extend the range of power meters and amplifiers, and to impedance match circuits by reducing the VSWR seen by adjacent components. RF attenuators can prevent signal overload in amplifiers, receivers and detectors, adjusting the signal level to optimal power range.

Few RF components are as commonly used as fixed coaxial attenuators, and L-com carries one of the largest in-stock varieties and ships them same day. The 7 dB Fixed Attenuator LCAT7094-07 is rated to 2 Watts and operates from DC to 18 GHz. The versatile coaxial package uses type N male to type N female connectors.

### **Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
Nominal Attenuation		7		dB
Attenuation Accuracy		0.5		dB
VSWR			1.35:1	
Input Power, CW			2	Watts
Input Power, Peak			500	Watts
5µs pulse, 0.05% duty cycle				

### **Mechanical Specifications**

Size	
Length	1.76 in [44.7 mm]
Width/Diameter	0.82 in [20.83 mm]
Height	0.82 in [20.83 mm]
Weight	0.133 lbs [60.33 g]
Body Material and Plating	Passivated Stainless Steel
Configuration	
Design	Fixed

Design

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### Connectors

Description	Connector 1	Connector 2	
Туре	N Male	N Female	
Connector Specification	MIL-STD-348	MIL-STD-348	
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold	
Outer Conductor Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel	
Coupling Nut Material and Plating	Passivated Stainless Steel		
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel	

### **Environmental Specifications**

Temperature Operating Range

-65 to +125 deg C

Compliance Certifications (see product page for current document)

### **Plotted and Other Data**

Notes:

### **Typical Performance Data**

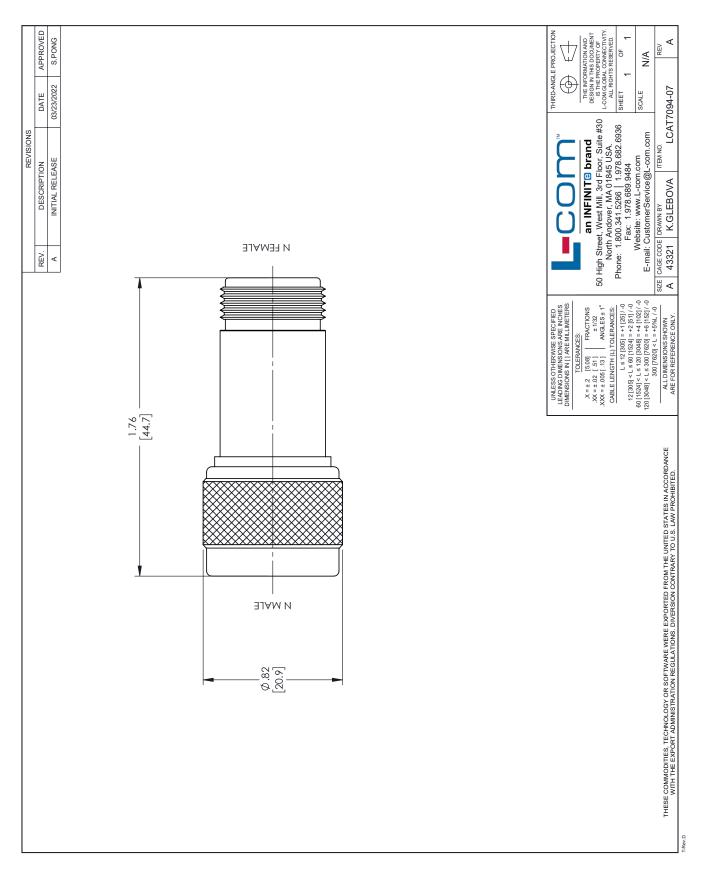
2W/7 dB Fixed Attenuator, N Male to N Female Passivated Stainless Steel Body Up to 18 GHz from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

### URL: https://www.l-com.com/2w-7-db-fixed-attenuator-n-male-n-female-passivated-stainless-steel-body-up-18-ghz-lcat7094-07-p.aspx

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## LCAT7094-07 CAD Drawing

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