

16 dB Fixed Attenuator 75 Ohm F Male to F Female Brass
Tri-Metal Body Rated to 2 Watts Up to 3 GHz



LCAT7396-16

RF Fixed Attenuators Technical Data Sheet

Features

- DC to 3 GHz Frequency Range
- Attenuation 16±3 dB
- Max Power 2 Watts (CW)
- VSWR < 1.3:1

Applications

- Instrumentation
- Cable TV and Video Distribution
- Prototyping and characterization
- Production systems

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 16 dB Fixed Attenuator LCAT7396-16 is rated to 2 Watts and operates from DC to 3 GHz. The versatile coaxial package uses type F male to type F female connectors and is also REACH and RoHS compliant.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		75		Ohms
Nominal Attenuation		16		dB
VSWR			1.3:1	
Input Power, CW			2	Watts

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Range	DC to 2	2 to 3				GHz
Attenuation Accuracy, Typ0.5		3				dB

Mechanical Specifications

Size

Length 2.02 in [51.31 mm]
Width/Diameter 0.43 in [10.92 mm]

Weight 0.06 lbs [27.22 g]
Body Material and Plating Brass, Tri-Metal

Configuration

Design Fixed
Package Style Connectorized Module

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[16 dB Fixed Attenuator 75 Ohm F Male to F Female Brass Tri-Metal Body Rated to 2 Watts Up to 3 GHz LCAT7396-16](#)

16 dB Fixed Attenuator 75 Ohm F Male to F Female Brass Tri-Metal Body Rated to 2 Watts Up to 3 GHz



LCAT7396-16

Connectors

Description	Connector 1	Connector 2
Type	F Male	F Female
Contact Material and Plating	Brass, Gold	Phosphor Bronze, Gold
Contact Plating Specification	4μ-inch min.	4μ-inch min.
Dielectric Type	Teflon	Teflon
Coupling Nut Material and Plating	Brass, Tri-Metal	
Hex Size	7/16 in.	
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Specification	100μ-inch min.	100μ-inch min.

Environmental Specifications

Temperature

Operating Range

-55 to +80 deg C

Compliance Certifications

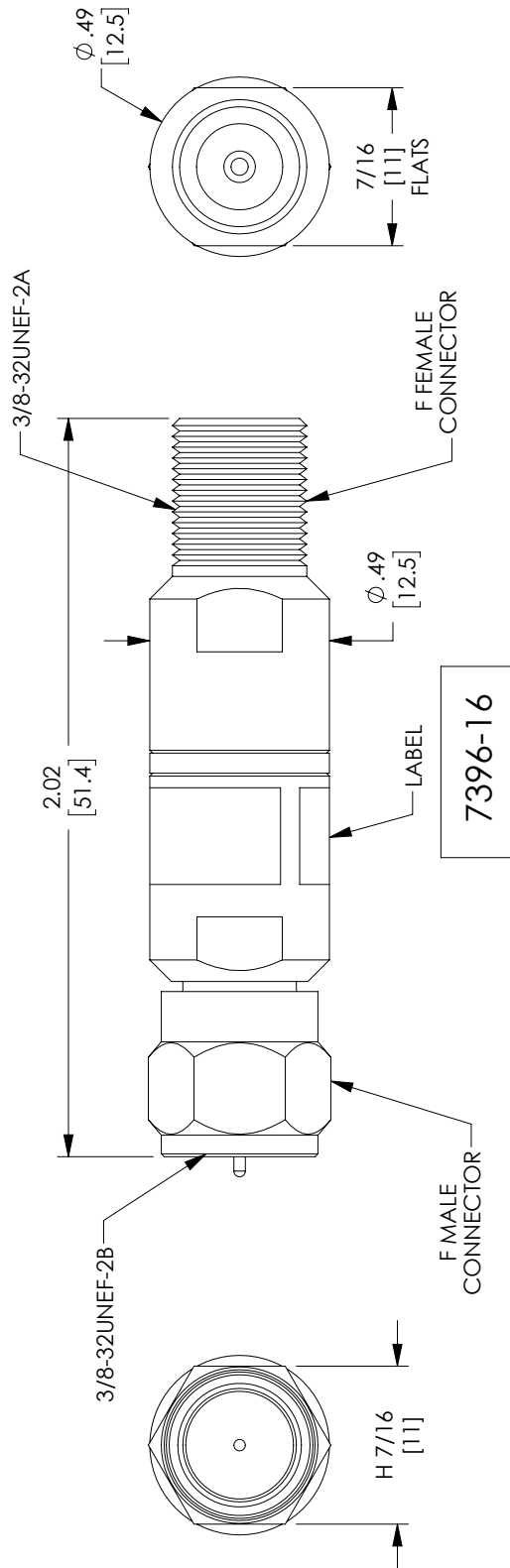
Plotted and Other Data

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.

The information contained in 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 any liability arising out of the use of any part or documentation.

16 dB Fixed Attenuator 75 Ohm F Male to F Female Brass Tri-Metal Body Rated to 2 Watts Up to 3 GHz

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	07/19/2022	SPONG



<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p>	<p>TOLERANCES:</p> <p>X ± .2 [.08] FRACTIONS XX ± .02 [.51] + / -132 XXX ± .005 [.13] ANGLES ± 1°</p> <p>CABLE LENGTH (L) TOLERANCES:</p> <p>L ≤ 12 [305] = +1 [25] / -0 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 300 [7620] < L = +5% / -0</p>	<p>THIRD-ANGLE PROJECTION</p>  <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF L-COM GLOBAL CONNECTIVITY. ALL RIGHTS ARE RESERVED.</p> <p>SHEET 1 OF 1</p> <p>SCALE N/A</p>	<p>ITEM NO.</p> <p>LCAT7396-16</p> <p>REV</p> <p>A</p>
---	---	---	--

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS, DIVERSION CONTRARY TO U.S. LAW PROHIBITED.