15 dB Fixed Attenuator DC to 12 GHz, TNC Male to TNC Female Brass Body Rated Up to 2 Watt

SMAT7469-15

Features

- DC to 12 GHz Frequency Range
- TNC Connectorized Design
- Attenuation 15 dB ±1 dB
- Max Power 2 Watts (CW)
- Max VSWR of 1.35:1

Applications

- Instrumentation
- Precision Measurements
- Prototyping and Characterization
- Production Systems
- WIFI 6E
- 5G Cellular bands

Description

ShowMeCables carries a wide range of fixed attenuators with a broad selection of attenuation levels, frequency ranges, and power dissipation ranges. RF microwave attenuators (also known as RF pads) lower the amplitude of a signal (attenuate) a known amount and can be used in a wide variety of applications. These attenuator pads are used when a signal needs 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 a range that is optimal.

Few RF components are as commonly used as fixed coaxial attenuators, and ShowMeCables carries one of the largest in-stock varieties and ships them same day. The 15 dB Fixed Attenuator SMAT7469-15 is rated to and operates from DC to 12 GHz. The versatile coaxial package uses TNC female to TNC male connectors.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12	GHz
Impedance		50		Ohms
Nominal Attenuation		15		dB
VSWR			1.35:1	
Input Power, CW			2	Watts

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 2	2 to 5	5 to 10	10 to 12		GHz
VSWR, Max	1.15:1	1.25:1	1.35:1	1.35:1		
Attenuation Accuracy, Typ	0.2	0.3	0.5	1		dB

Mechanical Specifications

Size	
Length	2.09 in [53.09 mm]
Width/Diameter	0.63 in [16 mm]
Height	0.63 in [16 mm]
Weight	0.09 lbs [40.82 g]
Body Material and Plating	Brass, Tri-Metal

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Configuration

Design	Fixed, Bi-Directional
Package Style	Conectorized

Connectors

Description	Connector 1	Connector 2
Type	TNC Female	TNC Male
Contact Material and Plating	Phosphor Bronze, Gold	Phosphor Bronze, Gold
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal

Environmental Specifications

Temperature

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data

FPO Show Me Cables specializes in protection of highly sensitive, low voltage equipment through its patented, non-degrading silicon diode technology and custom filters. Our power quality expertise translates into a diverse product offering including AC, DC, and signal applications as well as integrated cabinets, power distribution panels and EMP hardened devices.

FPO Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 15 dB Fixed Attenuator DC to 12 GHz, TNC Male to TNC Female Brass Body Rated Up to 2 Watt SMAT7469-15

URL: https://www.showmecables.com/showmecables-30db-50ohm-fixed-attenuator-tnc-plug-to-tnc-jack-3ghz-rated-2-watt-p.aspx

SMAT7469-15 CAD Drawing

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