20 dB Fixed Attenuator 75 Ohm F-Type Male to 75 Ohm F-Type Female Brass Tri-Metal body rated 1 Watt DC to 1 GHz

PE7752-20

Features

- DC to 1 GHz Frequency Range
- F-Type Connectorized Design
- Attenuation 20 dB ±1 dB
- Max Power 1 Watt (CW)
- Max VSWR of 1.25:1

Applications

- Instrumentation
- Cable TV and Video Distribution
- Prototyping and Characterization
- Production Systems

Description

Pasternack 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 Pasternack carries one of the largest in-stock varieties and ships them same day. The 20 dB Fixed Attenuator PE7752-20 is rated to 1 Watt and operates from DC to 1 GHz. The versatile coaxial package uses type F male to type F female connectors and is also REACH compliant.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		75		Ohms
Nominal Attenuation		20		dB
Attenuation Accuracy		±1		dB
VSWR			1.25:1	
Input Power, CW			1	Watt

Mechanical Specifications

Size

Length	2.03 in [51.56 mm]
Width/Diameter	0.43 in [10.92 mm]
Height	0.43 in [10.92 mm]
Weight	0.01 lbs [4.54 g]
Body Material and Plating	Brass, Tri-Metal

Configuration

Design	Fixed, Bidirectional
Design Type	Standard
Package Style	Connectorized

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Connectors

Description	Connector 1	Connector 2
Type	F Male	F Female
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Dielectric Type	PTFE	PE
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal

Environmental Specifications

Temperature

Operating Range	-50 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data

20 dB Fixed Attenuator 75 Ohm F-Type Male to 75 Ohm F-Type Female Brass Tri-Metal body rated 1 Watt DC to 1 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 20 dB Fixed Attenuator 75 Ohm F-Type Male to 75 Ohm F-Type Female Brass Tri-Metal body rated 1 Watt DC to 1 GHz PE7752-20

URL: https://www.pasternack.com/20db-fixed-f-male-f-female-1-watt-attenuator-pe7752-20-p.aspx

PE7752-20 CAD Drawing

20 dB Fixed Attenuator 75 Ohm F-Type Male to 75 Ohm F-Type Female
Brass Tri-Metal body rated 1 Watt DC to 1 GHz