

1 dB Fixed Attenuator, TNC Male to TNC Female Brass Nickel Body Rated to 1 Watt Up to 2 GHz



RF Fixed Attenuators Technical Data Sheet

PE7003-1

Features

- Bidirectional
- DC to 2 GHz Frequency Range
- Attenuation 1±0.3 dB

- Max Power 1 Watts (CW)
- VSWR < 1.2:1

Applications

 Instrumentation//Precision Measurements//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 1 dB Fixed Attenuator PE7003-1 is rated to 1 Watt and operates from DC to 2 GHz. The versatile coaxial package uses TNC male to TNC female connectors and is also REACH and RoHS compliant.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		2	GHz
Impedance		50		Ohms
Nominal Attenuation		1		dB
Attenuation Accuracy		0.3		dB
VSWR			1.2:1	
Input Power, CW			1	Watt

Mechanical Specifications

Size

 Length
 1.84 in [46.74 mm]

 Width/Diameter
 0.59 in [14.99 mm]

 Weight
 0.0727 lbs [32.98 g]

 Body Material and Plating
 Brass, Nickel

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 1 dB Fixed Attenuator, TNC Male to TNC Female Brass Nickel Body Rated to 1 Watt Up to 2 GHz PE7003-1

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

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Configuration

Design Package Style Fixed, Bidirectional Connectorized Module

Connectors

Description	Connector 1	Connector 2	
Туре	TNC Male	TNC Female	
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold	
Dielectric Type	Teflon	Teflon	
Coupling Nut Material and Plating	Brass, Nickel		
Body Material and Plating	Brass, Nickel	Brass, Nickel	

Environmental Specifications

Temperature

Operating Range

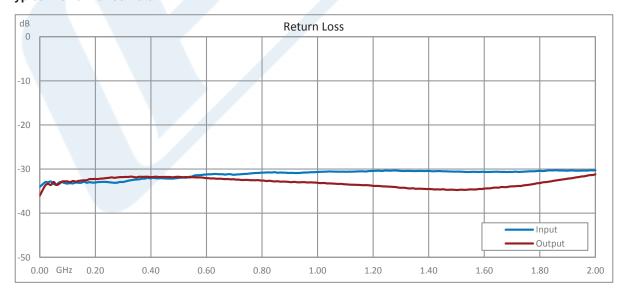
-65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data



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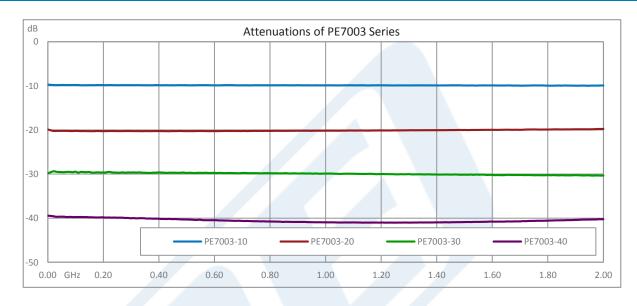


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1 dB Fixed Attenuator, TNC Male to TNC Female Brass Nickel Body Rated to 1 Watt Up to 2 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: https://www.pasternack.com/1db-fixed-tnc-female-tnc-male-1-watt-attenuator-pe7003-1-p.aspx

PE7003-1 CAD Drawing

1 dB Fixed Attenuator, TNC Male to TNC Female Brass Nickel Body Rated to 1 Watt Up to 2 GHz

