3 dB Fixed Attenuator, 75 Ohm N Male to 75 Ohm N Female Brass Nickel Body Rated to 2 Watts Up to 4 GHz

PE7044-3

Features

- Bidirectional
- DC to 4 GHz Frequency Range
- Attenuation 3dB
- Max Power 2 Watts (CW)
- VSWR < 1.3:1

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 3 dB Fixed Attenuator PE7044-3 is rated to 2 Watts and operates from DC to 4 GHz. The versatile coaxial package uses type N male to type N female connectors and is also REACH and RoHS compliant.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
Impedance		75		Ohms
Nominal Attenuation		3		dB
VSWR			1.3:1	
Input Power, CW			2	Watts

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 4					GHz
Attenuation Accuracy, Typ	0.4					dB

Mechanical Specifications

Size

Length	1.8 in [45.72 mm]
Width/Diameter	0.8 in [20.32 mm]
Height	0 in [0 mm]
Weight	0.0125 lbs [5.67 g]
Body Material and Plating	Brass, Nickel

Configuration

Design	Fixed, Bidirectional

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Connectors

Description	Connector 1	Connector 2
Type	N Male	N Female
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Outer Conductor Material and Plating	Beryllium Copper, Gold	
Coupling Nut Material and Plating	Brass, Nickel	
Body Material and Plating	Brass, Nickel	Brass, Nickel

Environmental Specifications

Temperature

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data

3 dB Fixed Attenuator, 75 Ohm N Male to 75 Ohm N Female Brass Nickel Body Rated to 2 Watts Up to 4 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: 3 dB Fixed Attenuator, 75 Ohm N Male to 75 Ohm N Female Brass Nickel Body Rated to 2 Watts Up to 4 GHz PE7044-3

URL: https://www.pasternack.com/3db-fixed-n-male-n-female-2-watts-attenuator-pe7044-3-p.aspx

PE7044-3 CAD Drawing

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