

## 20 dB Fixed Attenuator, 75 Ohm BNC Male to 75 Ohm BNC Female Brass Nickel Body Rated to 1 Watt Up to 1,000 MHz



## RF Fixed Attenuators Technical Data Sheet

PE7009-20

### **Features**

- Bidirectional
- DC to 1 GHz Frequency Range
- Attenuation 20±1 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 20 dB Fixed Attenuator PE7009-20 is rated to 1 Watt and operates from DC to 1,000 MHz. The versatile coaxial package uses BNC male to BNC female connectors and is also REACH and RoHS 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			1.2:1	
Input Power, CW			1	Watts

#### **Mechanical Specifications**

Size

Length 1.8 in [45.72 mm] Width/Diameter 0.59 in [14.99 mm] Weight 0.034 lbs [15.42 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: 20 dB Fixed Attenuator, 75 Ohm BNC Male to 75 Ohm BNC Female Brass Nickel Body Rated to 1 Watt Up to 1,000 MHz PE7009-20

ISO 9001 : 2008 Registered





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Configuration

Design Fixed, Bidirectional Package Style Connectorized Module

#### Connectors

Description	Connector 1	Connector 2	
Туре	BNC Male	BNC 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 -30 to +70 deg C

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant

REACH Compliant 12/17/2015

**Plotted and Other Data** 

Notes:

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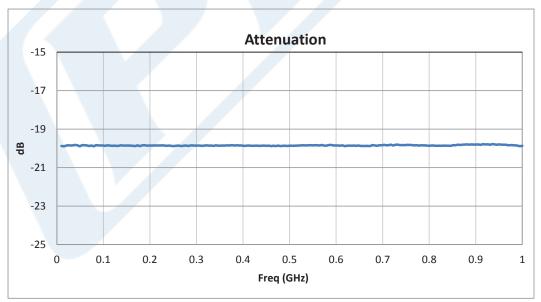


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#### **Typical Performance Data**





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20 dB Fixed Attenuator, 75 Ohm BNC Male to 75 Ohm BNC Female Brass Nickel Body Rated to 1 Watt Up to 1,000 MHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% 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 BNC Male to 75 Ohm BNC Female Brass Nickel Body Rated to 1 Watt Up to 1,000 MHz PE7009-20

URL: http://www.pasternack.com/20db-fixed-bnc-female-bnc-male-1-watt-attenuator-pe7009-20-p.aspx

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623

Phone: (866) 727-8376 or (949) 261-1920 • Fax: (949) 261-7451

Sales@Pasternack.com • Techsupport@Pasternack.com



## PE7009-20 CAD Drawing

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