

20 dB Fixed Attenuator, N Male to N Female Black Anodized Aluminum Heatsink Body Rated to 10 Watts Up to 2 GHz



# **RF Fixed Attenuators Technical Data Sheet**

## PE7010-20

### Features

- Bidirectional
- DC to 2 GHz Frequency Range
- Attenuation 20±1 dB

#### Applications

InstrumentationPrecision measurements

- Max Power 10 Watts (CW)
  VSWR < 1.6:1</li>
- VSVVR <
- 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 PE7010-20 is rated to 10 Watts and operates from DC to 2 GHz. The versatile coaxial package uses N male to N female connectors and is also REACH and RoHS compliant. The Black Anodized Aluminum Heatsink body allows for efficient heat dissipation under high power usage conditions.

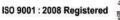
### **Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		2	GHz
Impedance		50		Ohms
Nominal Attenuation		20		dB
VSWR			1.6:1	
Input Power, CW derated linearly to 2W at +125°C			10	Watts
Input Power, Peak			500	Watts
5µs pulse, 0.05% duty cycle				

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, N Male to N Female Black Anodized Aluminum Heatsink Body Rated to 10 Watts Up to 2 GHz PE7010-20

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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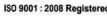
#### Specifications by Frequency F4 Description **F1 F2** F3 F5 Units 1 to 2 GHz Range DC to 1 VSWR. Max 1.3:1 1.6:1 Attenuation Accuracy, Typ ±0.7 ±1 dB **Mechanical Specifications** Size 2.41 in [61.21 mm] Length Width/Diameter 1 in [25.4 mm] 0.158 lbs [71.67 g] Weight Body Material and Plating Black Anodized Aluminum Heatsink Configuration Design Fixed, Bidirectional Package Style **Connectorized Module** Connectors Description **Connector 1 Connector 2** Туре N Male N Female **Connector Specification** MIL-STD-348 MIL-STD-348 Contact Material and Plating Beryllium Copper, Gold Beryllium Copper, Gold Body Material and Plating Passivated Stainless Steel Passivated Stainless Steel **Environmental Specifications** Temperature **Operating Range** -65 to +125 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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20 dB Fixed Attenuator, N Male to N Female Black Anodized Aluminum Heatsink Body Rated to 10 Watts 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% availability and are part of the broadest selection in the industry.

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URL: http://www.pasternack.com/20db-fixed-n-female-n-male-10-watts-attenuator-pe7010-20-p.aspx

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PE7010-20 CAD Drawing

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