

1 dB Fixed Attenuator, N Male to N Female Black Anodized Aluminum Heatsink Body Rated to 10 Watts Up to 12.4 GHz



# **RF Fixed Attenuators Technical Data Sheet**

## PE7048-1

**Features** 

VSWR < 1.35:1

Max Power 10 Watts (CW)

- Bidirectional
- DC to 12.4 GHz Frequency Range
- Attenuation 1±0.3 dB

### Applications

- InstrumentationPrecision 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 PE7048-1 is rated to 10 Watts and operates from DC to 12.4 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.

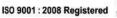
### **Electrical Specifications**

Minimum	Typical	Maximum	Units
DC		12.4	GHz
	50		Ohms
	1		dB
	±0.3		dB
		1.35:1	
		10	Watts
C			
		500	Watts
		DC 50 1 ±0.3	DC 12.4 50 1 ±0.3 1.35:1 10 C

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, N Male to N Female Black Anodized Aluminum Heatsink Body Rated to 10 Watts Up to 12.4 GHz PE7048-1

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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Mechanical	Specifications

Size Length Width/Diameter Weight Body Material and Plating

2.41 in [61.21 mm] 1 in [25.4 mm] 0.151 lbs [68.49 g]

Black Anodized Aluminum Heatsink

Fixed, Bidirectional Connectorized Module

Connectors

Configuration

Package Style

Design

Connector 1	Connector 2
N Male	N Female
MIL-STD-348	MIL-STD-348
Beryllium Copper, Gold	Beryllium Copper, Gold
Passivated Stainless Steel	Passivated Stainless Steel
	N Male MIL-STD-348 Beryllium Copper, Gold

#### **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:

1 dB Fixed Attenuator, N Male to N Female Black Anodized Aluminum Heatsink Body Rated to 10 Watts Up to 12.4 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/1db-fixed-n-male-n-female-10-watts-attenuator-pe7048-1-p.aspx

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PE7048-1 CAD Drawing

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