

12 dB Fixed Attenuator, N Male to N Female Passivated Stainless Steel Body Rated to 2 Watts Up to 18 GHz

RF Fixed Attenuators Technical Data Sheet

Features

- Bidirectional
- DC to 18 GHz Frequency Range
- Attenuation 12±0.5 dB

Applications

- Instrumentation
- Precision measurements
- Prototyping and characterization

Max Power 2 Watts (CW)

VSWR < 1.35:1

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 12 dB Fixed Attenuator PE7004-12 is rated to 2 Watts and operates from DC to 18 GHz. The versatile coaxial package uses N male to N female connectors and is also REACH and RoHS compliant.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
Nominal Attenuation		12		dB
Attenuation Accuracy		±0.5		dB
VSWR			1.35:1	
Input Power, CW derated linearly to 0.5W at +125°	с		2	Watts
Input Power, Peak			250	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: 12 dB Fixed Attenuator, N Male to N Female Passivated Stainless Steel Body Rated to 2 Watts Up to 18 GHz PE7004-12

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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PE7004-12





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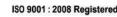
PE7004-12

Specifications by Frequency **F1 F4** Description **F2** F3 F5 Units DC to 4 4 to 8 8 to 12.4 12.4 to 18 GHz Range VSWR, Max 1.15:1 1.2:1 1.25:1 1.35:1 **Mechanical Specifications** Size Length 1.76 in [44.7 mm] Width/Diameter 0.83 in [21.08 mm] Weight 0.15 lbs [68.04 g] Body Material and Plating Passivated Stainless Steel Configuration Fixed, Bidirectional Design Package Style **Connectorized Module** Connectors **Connector 1 Connector 2** Description N Female N Male Туре **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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12 dB Fixed Attenuator, N Male to N Female Passivated Stainless Steel Body Rated to 2 Watts Up to 18 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/12db-fixed-n-female-n-male-2-watts-attenuator-pe7004-12-p.aspx

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PE7004-12 CAD Drawing 12 dB Fixed Attenuator, N Male to N Female Passivated Stainless Steel Body Rated to 2 Watts Up to 18 GHz

