

40 dB Fixed Attenuator, SMA Male to SMA Female Passivated Stainless Steel Body Rated to 1 Watt Up to 2 GHz



RF Fixed Attenuators Technical Data Sheet

PE7161-40

Features

- Bidirectional
- DC to 2 GHz Frequency Range
- Attenuation 40±1.5 dB

Applications

 Instrumentation Precision measurements

- Max Power 1 Watts (CW)
- VSWR < 1.2:1
- 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 40 dB Fixed Attenuator PE7161-40 is rated to 1 Watt and operates from DC to 2 GHz. The versatile coaxial package uses SMA male to SMA female connectors and is also REACH and RoHS compliant.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		2	GHz
Impedance		50		Ohms
Nominal Attenuation		40		dB
Attenuation Accuracy		±1.5		dB
VSWR			1.2:1	
Input Power, CW			1	Watts

Mechanical Specifications

Size
Length
Width/Diameter
Weight Body Material and Plating

0.99 in [25.15 mm] 0.312 in [7.92 mm] 0.0143 lbs [6.49 g] **Passivated Stainless Steel**

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 40 dB Fixed Attenuator, SMA Male to SMA Female Passivated Stainless Steel Body Rated to 1 Watt Up to 2 GHz PE7161-40

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



ISO 9001 : 2008 Registered



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Configuration Design Package Style

Fixed, Bidirectional Connectorized Module

Connectors

Description	Connector 1	Connector 2
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Туре	SMA Male	SMA Female
Connector Specification	MIL-STD-348	MIL-STD-348
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Coupling Nut Material and Plating	Passivated Stainless Steel	
Hex Size	5/16 in.	
Torque	5 in-lbs 0.57 Nm	
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel

Environmental Specifications

Temperature	
Operating Range	-20 to +85 deg C
Compliance Certifications (visit www.Pasternack. RoHS Compliant	com for current document)
REACH Compliant	12/17/2015
Plotted and Other Data	

Notes:

40 dB Fixed Attenuator, SMA Male to SMA Female Passivated Stainless Steel Body Rated to 1 Watt 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/40db-fixed-sma-female-sma-male-1-watt-attenuator-pe7161-40-p.aspx

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PE7161-40 CAD Drawing 40 dB Fixed Attenuator, SMA Male to SMA Female Passivated Stainless Steel Body Rated to 1 Watt Up to 2 GHz

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