

20dB RF fixed attenuator 2W, DC to 3GHz,
SMA male to female, Stainless Steel



RF Fixed Attenuators Technical Data Sheet

PE7601-20

Features

- Bidirectional
- DC to 3 GHz Range
- Attenuation 20 +/- 0.5 dB

- 2 Watts Average Input Power
- VSWR <1.15:1

Applications

- Precision Measurements
- Production Systems
- Instrumentation
- Prototyping and Characterization

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 Attenuators PE7601-20 is rated to 2 Watts and operates from DC to 3 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		3	GHz
Impedance		50		Ohms
Nominal Attenuation		20		dB
VSWR			1.15:1	
Input Power, CW			2	Watts
Input Power, Peak			500	Watts
	5μs pulse w/ 0.4% duty cycle			

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [20dB RF fixed attenuator 2W, DC to 3GHz, SMA male to female, Stainless Steel PE7601-20](#)



20dB RF fixed attenuator 2W, DC to 3GHz,
SMA male to female, Stainless Steel

RF Fixed Attenuators Technical Data Sheet

PE7601-20

Mechanical Specifications

Size

Length 0.98425 in [25 mm]
Width/Diameter 0.31496 in [8 mm]
Height 0.31496 in [8 mm]

Weight

Body Material and Plating 0.01 lbs [4.54 g]
Stainless Steel

Configuration

Design Fixed, Bidirectional

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Female
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Body Material and Plating	Stainless Steel	Stainless Steel

Environmental Specifications

Temperature

Operating Range +125 to -55 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

20dB RF fixed attenuator 2W, DC to 3GHz, SMA male to female, Stainless Steel from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

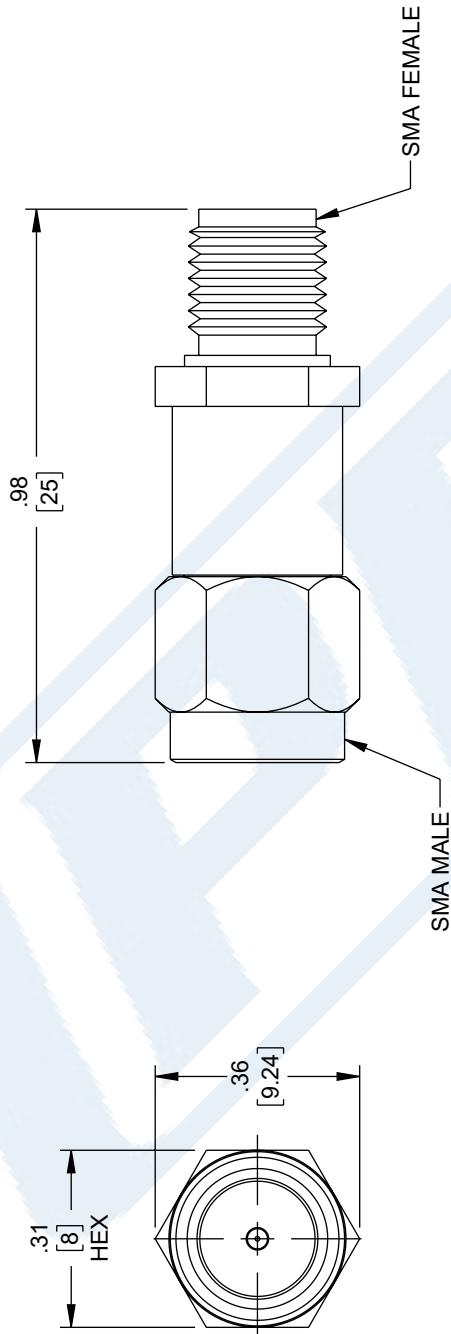
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [20dB RF fixed attenuator 2W, DC to 3GHz, SMA male to female, Stainless Steel PE7601-20](#)

URL:

PE7601-20 CAD Drawing

20dB RF fixed attenuator 2W, DC to 3GHz, SMA male to female, Stainless Steel

REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	1/1/2023	DMAY	SPONG



 PASTERNACK® an INFINIT® brand			
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES: $\lambda = \pm 0.2 [5]$ FRACTIONS $XX = \pm 0.02 [0.5]$ $\pm 1/32$ $XXX = \pm 0.005 [0.13]$ ANGLES $\pm 1^\circ$	CABLE LENGTH TOLERANCES: ≤ 12 [305] = $\pm 1 [25]$ / -0 > 12 [305] ≤ 60 [1524] = $\pm 2 [51]$ / -0 > 60 [1524] ≤ 120 [3048] = $\pm 4 [102]$ / -0 > 120 [3048] ≤ 300 [7620] = $\pm 6 [152]$ / -0 > 300 [7620] = $\pm 5%$ / -0	DESCRIPTION Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920	SCALE NONE
20dB RF FIXED ATTENUATOR 2W, DC TO 3GHz, SMA MALE TO FEMALE, STAINLESS STEEL	SHEET 1 OF 1	ITEM NO. PE7601-20	REV A

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR IN WHOLE, WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC., IS PROHIBITED. THESE COMMERCIALS TECHNOLOGY DRAWINGS ARE THE PROPERTY OF INFINITE ELECTRONICS, INC. THEY ARE FOR EXTERNAL USE ONLY. THEY ARE PROHIBITED FROM USE IN ANY OTHER WAY. THEY ARE FOR EXTERNAL USE ONLY. THEY ARE PROHIBITED FROM USE IN ANY OTHER WAY.