20 dB Fixed Attenuator, 2.92mm Male to 2.92mm Female Black Anodized Aluminum Body Rated to 20 Watts Up to 40 GHz



PE7513-20

Features

- DC to 40 GHz Range
- Attenuation 20±1.0 dB
- 20 Watts Average Input Power
- VSWR <1.4:1

Applications

- Precision Measurements
- Production Systems
- Instrumentation
- Prototyping and Characterization
- 5G and 6G Communications

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 PE7513-20 is rated to 20 Watts and operates from DC to 40 GHz. The versatile coaxial package uses 2.92mm male to 2.92mm female connectors.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
Impedance		50		Ohms
Nominal Attenuation		20		dB
Attenuation Accuracy		±1	±2	dB
VSWR			1.4:1	
Input Power, CW			20	Watts
25°C ambient temperature, derated linearly to 2W @125°C				
Input Power, Peak			200	Watts
5 µSec PW, 10% duty cycle				

Mechanical Specifications

Size

Length	3.15 in [80.01 mm]
Width/Diameter	1.5 in [38.1 mm]
Height	1.5 in [38.1 mm]
Weight	0.18 lbs [81.65 g]
Body Material and Plating	Black Anodized Aluminum

Configuration

Design	Fixed, Unidirectional
Design Type	Standard

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Package Style	Connectorized

Connectors

Description	Connector 1	Connector 2
Type	2.92mm Male	2.92mm Female
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Body Material and Plating	Stainless Steel	Stainless Steel

Environmental Specifications

Temperature

Operating Range	-55 to +100 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data

20 dB Fixed Attenuator, 2.92mm Male to 2.92mm Female Black Anodized Aluminum Body Rated to 20 Watts Up to 40 GHz 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: 20 dB Fixed Attenuator, 2.92mm Male to 2.92mm Female Black Anodized Aluminum Body Rated to 20 Watts Up to 40 GHz PE7513-20

URL: https://www.pasternack.com/20db-fixed-2.92mm-male-2.92mm-female-20-watts-attenuator-pe7513-20-p.aspx

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to impliment improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

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PE7513-20 CAD Drawing

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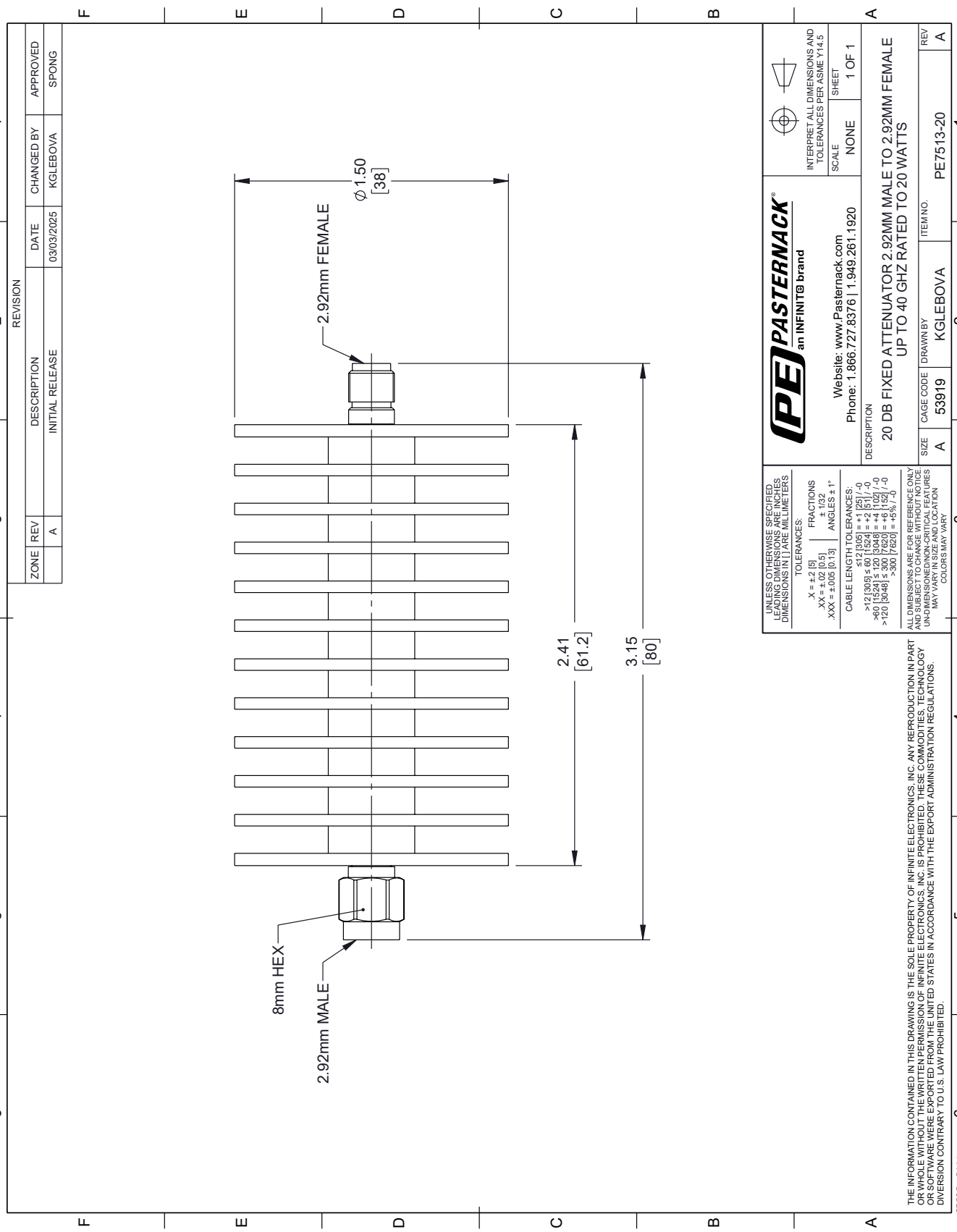

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