

6 dB Fixed Attenuator, 2.2-5 Male to 2.2-5 Female
Brass Body Rated to 5 Watts, DC to 6 GHz



RF Fixed Attenuators Technical Data Sheet

PE7492-6

Features

- DC to 6 GHz Frequency Range
- 2.2-5 Connectorized Design
- Attenuation 6 dB ±1 dB
- Max Power 5 Watts (CW)
- Max VSWR of 1.25:1

Applications

- Instrumentation
- Precision Measurements
- Prototyping and Characterization
- Production Systems
- 5G Cellular bands

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 6 dB Fixed Attenuator PE7492-6 is rated to 5 Watts and operates from DC to 6 GHz.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
Impedance		50		Ohms
Nominal Attenuation		6		dB
Attenuation Accuracy			±1	dB
VSWR			1.25:1	
Input Power, CW			5	Watts
Input Power, Peak			50	Watts
	8% Duty Cycle, 20us PW			

Mechanical Specifications

Size	
Length	2.36 in [59.94 mm]
Width/Diameter	0.79 in [20.07 mm]
Height	0.79 in [20.07 mm]
Weight	0.07 lbs [31.75 g]
Body Material and Plating	Brass, Copper-Tin-Zinc Alloy

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [6 dB Fixed Attenuator, 2.2-5 Male to 2.2-5 Female Brass Body Rated to 5 Watts, DC to 6 GHz PE7492-6](#)

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Configuration

Design	Fixed, Bidirectional
Design Type	Standard
Package Style	Connectorized

Connectors

Description	Connector 1	Connector 2
Type	2.2-5 Male	2.2-5 Female
Contact Material and Plating	Beryllium Copper, Silver	Beryllium Copper, Silver
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal

Environmental Specifications

Temperature

Operating Range	-40 to +75 deg C
Storage Range	-50 to +85 deg C

Humidity

<95%

Shock	IEC 60068-2-27
Vibration	IEC 60068-2-6-Fc
Altitude	<5000m
Thermal Shock	IEC 60068 -2-14-Na

IEC 60068-2-27

IEC 60068-2-6-Fc

<5000m

IEC 60068 -2-14-Na

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

Plotted and Other Data

Notes:

6 dB Fixed Attenuator, 2.2-5 Male to 2.2-5 Female Brass Body Rated to 5 Watts, DC to 6 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.

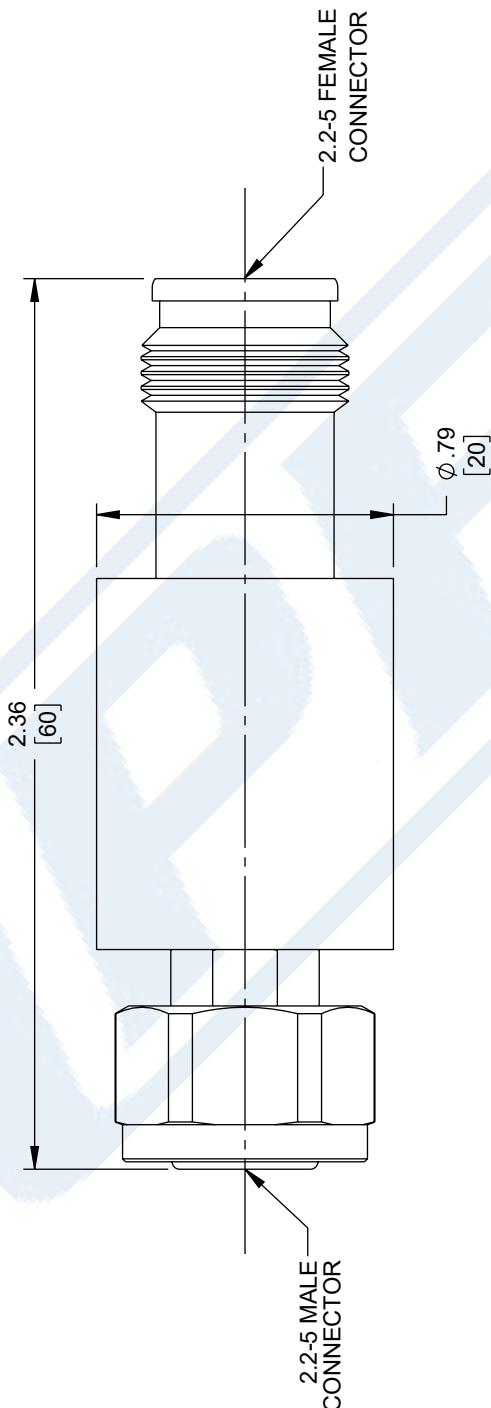
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [6 dB Fixed Attenuator, 2.2-5 Male to 2.2-5 Female Brass Body Rated to 5 Watts, DC to 6 GHz PE7492-6](#)

URL: <https://www.pasternack.com/6db-fixed-5-watts-attenuator-pe7492-6-p.aspx>

PE7492-6 CAD Drawing

6 dB Fixed Attenuator, 2.2-5 Male to 2.2-5 Female
Brass Body Rated to 5 Watts, DC to 6 GHz

ZONE	REV	DESCRIPTION	INITIAL RELEASE	DATE	CHANGED BY	APPROVED
A				06/23/2023	DZINN	SPONG



PASTERNACK an INFINITI® brand		 INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS IN [] ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		TOLERANCES: $X = \pm 2[5]$ FRACTIONS $XX = \pm 0.02[0.5]$ $\pm 1/32$ $XXX = \pm 0.005[0.3]$ ANGLES $\pm 1^\circ$	
CABLE LENGTH TOLERANCES: $\leq 12[305] = \pm 1[25] / -0$ $> 12[305] \leq 60[1524] = \pm 2[51] / -0$ $> 60[1524] \leq 120[3048] = \pm 4[102] / -0$ $> 120[3048] \leq 300[7620] = \pm 6[152] / -0$ $> 300[7620] = \pm 9[226] / -0$		DESCRIPTION Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920	
		SCALE NONE	REV A 1 OF 1
FIXED ATTENUATOR, 5W 6GHz 6dB, 2.2-5 MALE TO 2.2-5 FEMALE			
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