

20 dB Fixed Attenuator, 75 Ohm F Male to 75 Ohm F Female  
Brass Tri-Metal Body Rated to 2 Watts Up to 3 GHz



**PE7396-20**

**Features**

- DC to 3 GHz Frequency Range
- Attenuation 20±3 dB
- Max Power 2 Watts (CW)
- VSWR < 1.3:1

**Applications**

- Instrumentation
- Precision measurements
- 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 20 dB Fixed Attenuator PE7396-20 is rated to 2 Watts and operates from DC to 3 GHz. The versatile coaxial package uses type F male to type F female connectors and is also REACH and RoHS compliant.

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		75		Ohms
Nominal Attenuation		20		dB
VSWR			1.3:1	
Input Power, CW			2	Watts

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 2	2 to 3				GHz
Attenuation Accuracy, Typ	0.5	3				dB

**Mechanical Specifications**

**Size**

- Length 2.02 in [51.31 mm]
- Width/Diameter 0.43 in [10.92 mm]
- Height 0.43 in [10.92 mm]
- Weight 0.068 lbs [30.84 g]
- Body Material and Plating Brass, Tri-Metal

**Configuration**

- Design Fixed
- Package Style Connectorized Module

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**Connectors**

Description	Connector 1	Connector 2
Type	F Male	F Female
Contact Material and Plating	Brass, Gold	Phosphor Bronze, Gold
Contact Plating Specification	4μ-inch min.	4μ-inch min.
Dielectric Type	Teflon	Teflon
Coupling Nut Material and Plating	Brass, Tri-Metal	
Hex Size	7/16 in.	
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Specification	100μ-inch min.	100μ-inch min.

**Environmental Specifications**

**Temperature**

Operating Range -55 to +80 deg C

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

**Plotted and Other Data**

Notes:

**Typical Performance Data**

20 dB Fixed Attenuator, 75 Ohm F Male to 75 Ohm F Female Brass Tri-Metal Body Rated to 2 Watts Up to 3 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.

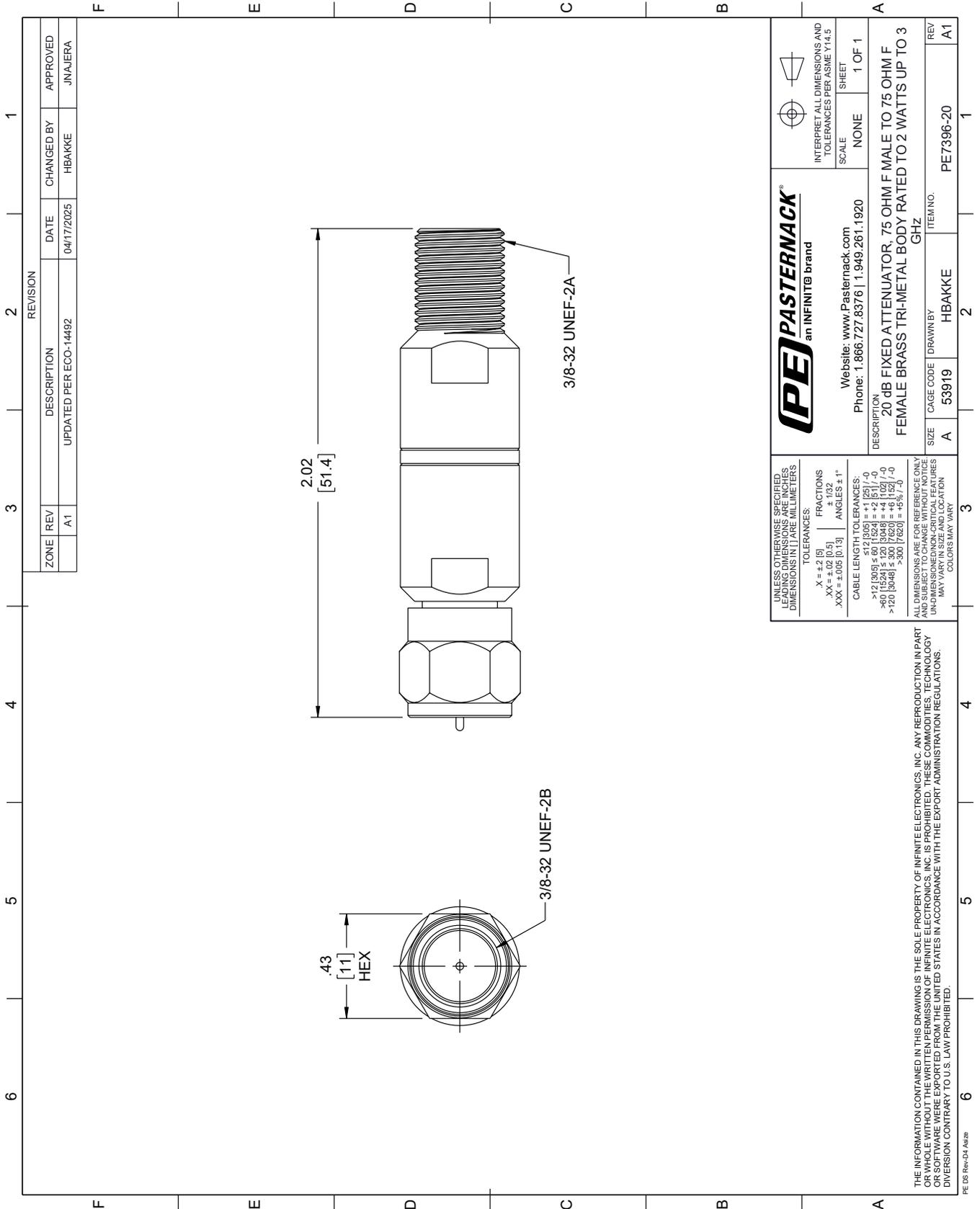
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [20 dB Fixed Attenuator, 75 Ohm F Male to 75 Ohm F Female Brass Tri-Metal Body Rated to 2 Watts Up to 3 GHz PE7396-20](#)

URL: <https://www.pasternack.com/20db-fixed-f-male-f-female-2-watts-attenuator-pe7396-20-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 implement 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.

# PE7396-20 CAD Drawing

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REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV	DESCRIPTION		
	A1	UPDATED PER ECO-14492	HBAKKE	JNAJERA

		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1	
Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a> Phone: 1.866.727.8376   1.949.261.1920			
DESCRIPTION 20 dB FIXED ATTENUATOR, 75 OHM F MALE TO 75 OHM F FEMALE BRASS TRI-METAL BODY RATED TO 2 WATTS UP TO 3 GHz			
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	HBAKKE	PE7396-20

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND DIMENSIONS IN [ ] ARE IN MILLIMETERS

TOLERANCES:  
 .X = ±.2 [5]  
 .XX = ±.02 [0.5]  
 .XXX = ±.005 [0.13]

FRACTIONS  
 ± 1/32

ANGLES ± 1°

CABLE LENGTH TOLERANCES:  
 <12 [305] ≤ 60 [1524] = ±.1 [25] / -0  
 >60 [1524] ≤ 120 [3048] = ±.1 [25] / -0  
 >120 [3048] ≤ 300 [7620] = ±.5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY UNLESS OTHERWISE SPECIFIED. DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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