



10 dB Fixed Attenuator, 2.92mm Male To 2.92mm Female  
 Passivated Stainless Steel Body Rated To 2 Watts Up To 40 GHz

TECHNICAL DATA SHEET

PE7090-10

The Pasternack PE7090 attenuator series is designed with stainless steel 2.92mm connectors for excellent performance to 40 GHz and 2 Watts. This high frequency attenuator family has a stainless steel round body and coupling nut with gold plated BeCu (Beryllium Copper) contacts. The high performance 40 GHz attenuator line is available in 3 dB, 6 dB, 10 dB, 15 dB, 20 dB and 30 dB attenuation values for millimeter wave applications.

- DC to 40 GHz
- 2 Watt average power
- Passivated Stainless Steel body and coupling nut
- Gold plated BeCu contacts

**Configuration**

Design	Fixed, Bidirectional Attenuator
Connector 1	2.92mm Male
Connector 2	2.92mm Female
Body Material and Plating	Passivated Stainless Steel

**Electrical Specifications** \* Values at 25°C, sea level

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
Impedance		50		Ohms
Attenuation Value		10		dB
Input Power			2	Watts
VSWR			1.4:1	

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Range	DC to 18	18 to 26.5	26.5 to 40			GHz
VSWR	1.3:1	1.4:1	1.4:1			
Attenuation Accuracy	± 0.6	± 0.6	± 1			dB

**Mechanical Specifications**

**Temperature**

Operating Range -65 to +125 deg C

**Size**

Length 0.88 in [22.35 mm]  
 Width 0.312 in [7.92 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [10 dB Fixed Attenuator, 2.92mm Male To 2.92mm Female Passivated Stainless Steel Body Rated To 2 Watts Up To 40 GHz PE7090-10](#)





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**Connectors**

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

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)  
RoHS Compliant

**Plotted and Other Data**

Notes:

- Values at 25 °C, sea level

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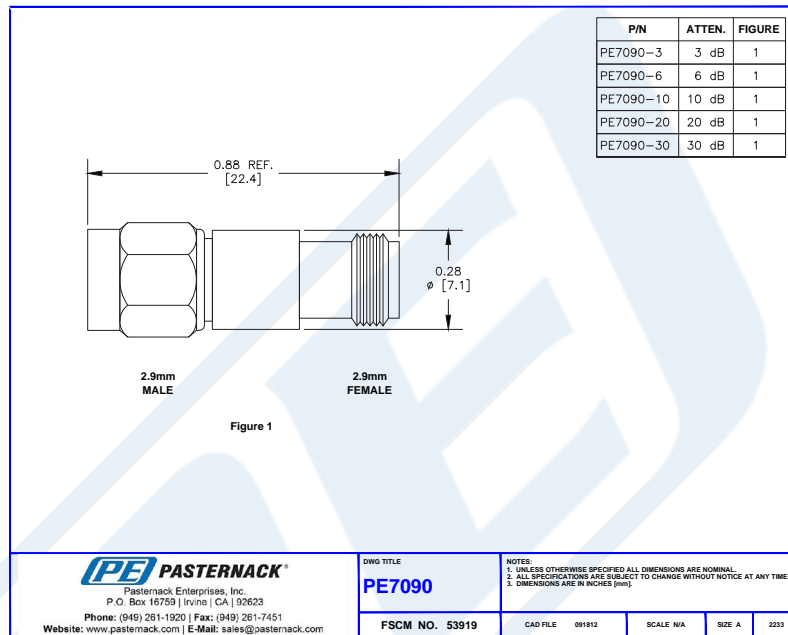


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Outline Drawing



10 dB Fixed Attenuator, 2.92mm Male To 2.92mm Female Passivated Stainless Steel Body Rated To 2 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% availability and are part of the broadest selection in the industry.

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