



6 dB Fixed Attenuator, SMA Male To SMA Female Brass  
Body Rated To 2 Watts From 0.009 MHz To 6 GHz

## RF Fixed Attenuators Technical Data Sheet

PE70A1012

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	9KHz		6	GHz
Impedance		50		Ohms
Nominal Attenuation		6		dB
Attenuation Accuracy			±0.5	dB
Flatness		±0.5		dB
Return Loss		-27	-23	dB
Input Power, CW			2	Watts

### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Range	9KHz to 3	3 to 6				GHz
Return Loss, Typ	-30	-27				dB
Return Loss, Max	-25	-23				dB
Attenuation Accuracy, Max	±0.3	±0.5				dB
Flatness, Typ	±0.3	±0.5				dB
Flatness, Max	±0.6	±1				dB

### Mechanical Specifications

#### Size

Length	1.216 in [30.89 mm]
Width/Diameter	0.366 in [9.3 mm]
Height	0.366 in [9.3 mm]
Weight	0.0189 lbs [8.57 g]
Body Material and Plating	Brass

#### Configuration

Design	Fixed
Package Style	Connerctorized

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, SMA Male To SMA Female Brass Body Rated To 2 Watts From 0.009 MHz To 6 GHz PE70A1012](#)



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### Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Female

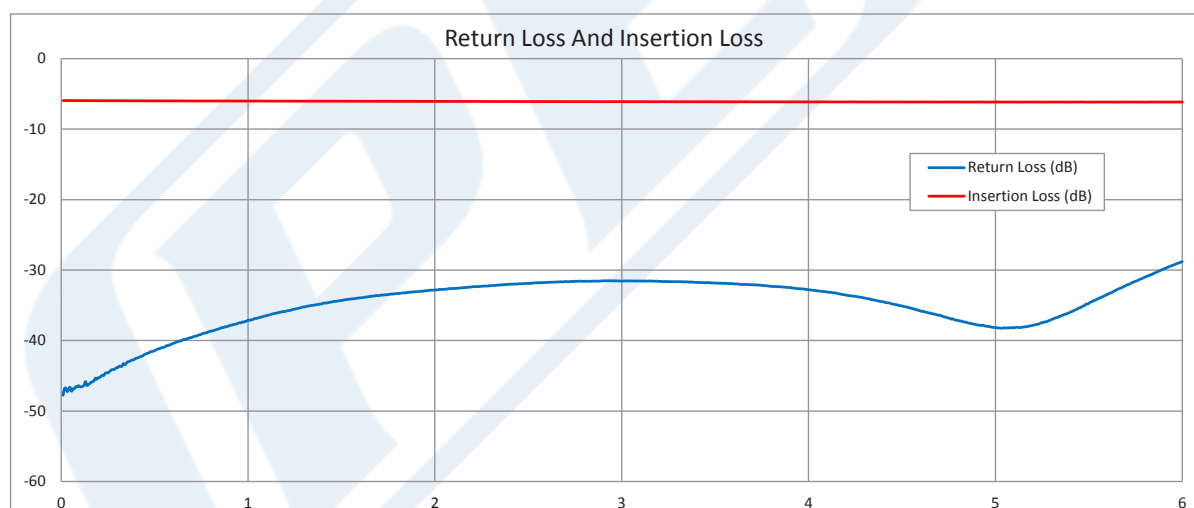
### Environmental Specifications

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

### Plotted and Other Data

Notes:

### Typical Performance Data



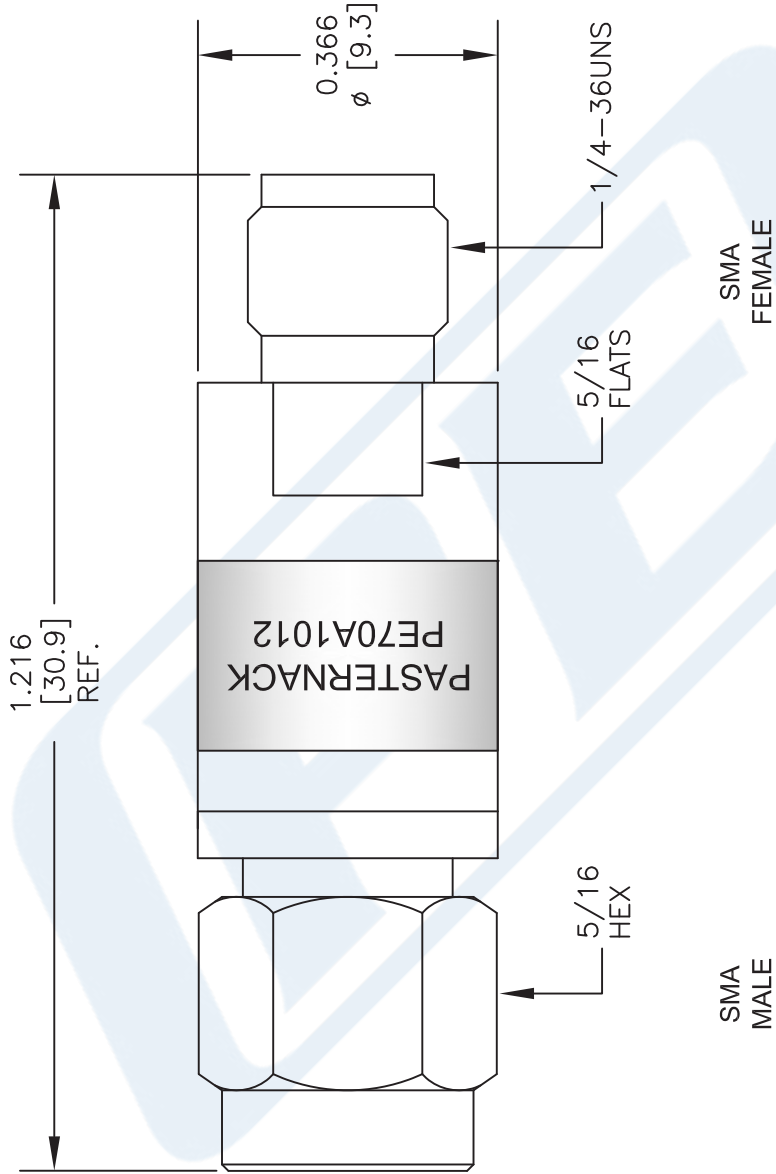
6 dB Fixed Attenuator, SMA Male To SMA Female Brass Body Rated To 2 Watts From 0.009 MHz To 6 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection 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, SMA Male To SMA Female Brass Body Rated To 2 Watts From 0.009 MHz To 6 GHz PE70A1012](http://www.pasternack.com/6db-fixed-sma-male-sma-female-2-watts-attenuator-pe70a1012-p.aspx)

URL: <http://www.pasternack.com/6db-fixed-sma-male-sma-female-2-watts-attenuator-pe70a1012-p.aspx>

# PE70A1012 CAD Drawing

6 dB Fixed Attenuator, SMA Male To SMA Female Brass Body  
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DWG TITLE

**PE70A1012**

FSCM NO. 53919

CAD FILE 092915

SCALE N/A

SIZE A

2233

NOTES:  
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
3. DIMENSIONS ARE IN INCHES [mm].

**PE PASTERNAK®**  
THE ENGINEER'S RF SOURCE

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