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30 dB Fixed Attenuator, SMA Female To SMA Male Directional Rated To 100 Watts Up To 6 GHz



TECHNICAL DATA SHEET PE7221-30

30 dB Fixed Attenuator, SMA Female To SMA Male Directional Rated To 100 Watts Up To 6 GHz

Pasternack Enterprises line of 100W Attenuators operate from DC to 6 GHz, and are available in 42 different 7/16 DIN, N, SMA and TNC in-series and between-series connector combinations. Our 100W Attenuators are manufactured with Passivated Stainless Steel SMA, TNC and N connectors, and Silver Plated Brass 7/16 DIN connectors. Pasternack 100W Attenuators come in 3 dB, 6 dB, 10 dB, 20 dB, 30 dB, 40 dB, 60 dB values and will operate from -55 to +125 degrees C. Additional connector combinations are available beyond the 42 standard designs, upon request.

- 100W average power and 2,000W peak power handling capability
- Operate to 6 GHz
- Temperature range of -55 to +125 degrees C
- 42 in-series and between series combinations
- 7/16 DIN, SMA, N, TNC Male and Female connectors are available
- Other connector combinations available upon request

Configuration

Design	Fixed, Directional Attenuator
Connector 1	SMA Female
Connector 2	SMA Male
Body Material and Plating	Aluminum Heatsink, Black Anodized

Electrical Specifications

Frequency Range, GHz	DC to 6
Impedance, Ohms	50
Attenuation Value, dB	30
Maximum Input Power, Watts	100
Maximum VSWR	1.45:1

Frequency 1

Range, GHz	DC to 2
VSWR	1.2:1
Attenuation Accuracy, dB	± 1

Frequency 2

Range, GHz	2 to 4
VSWR	1.35:1
Attenuation Accuracy, dB	± 1.25

Frequency 3

Range, GHz	4 to 6
VSWR	1.45:1
Attenuation Accuracy, dB	± 1.5

Mechanical Specifications

Temperature

Operating Range, deg C	-55 to +125

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 30 dB Fixed Attenuator, SMA Female To SMA Male Directional Rated To 100 Watts Up To 6 GHz PE7221-30

The information contained in 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 reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal.

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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Size

Length, in [mm]	4.9 [124.46]
Width, in [mm]	3.8 [96.52]
Height, in [mm]	2.7 [68.58]
Weight, lbs [Kg]	3 [1.36]

Connector 1

Type	SMA Female
Contact Material and Plating	Beryllium Copper, Gold
Body Material and Plating	Stainless Steel, Passivated

Connector 2

Type	SMA Male
Contact Material and Plating	Beryllium Copper, Gold
Coupling Nut Material and Plating	Stainless Steel, Passivated
Body Material and Plating	Stainless Steel, Passivated

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes

Plotted and Other Data

Notes:	Values at 25 °C, sea level

URL: http://www.pasternack.com/30db-fixed-sma-female-sma-male-100-watts-attenuator-pe7221-30-p.aspx

30 dB Fixed Attenuator, SMA Female To SMA Male Directional Rated To 100 Watts Up To 6 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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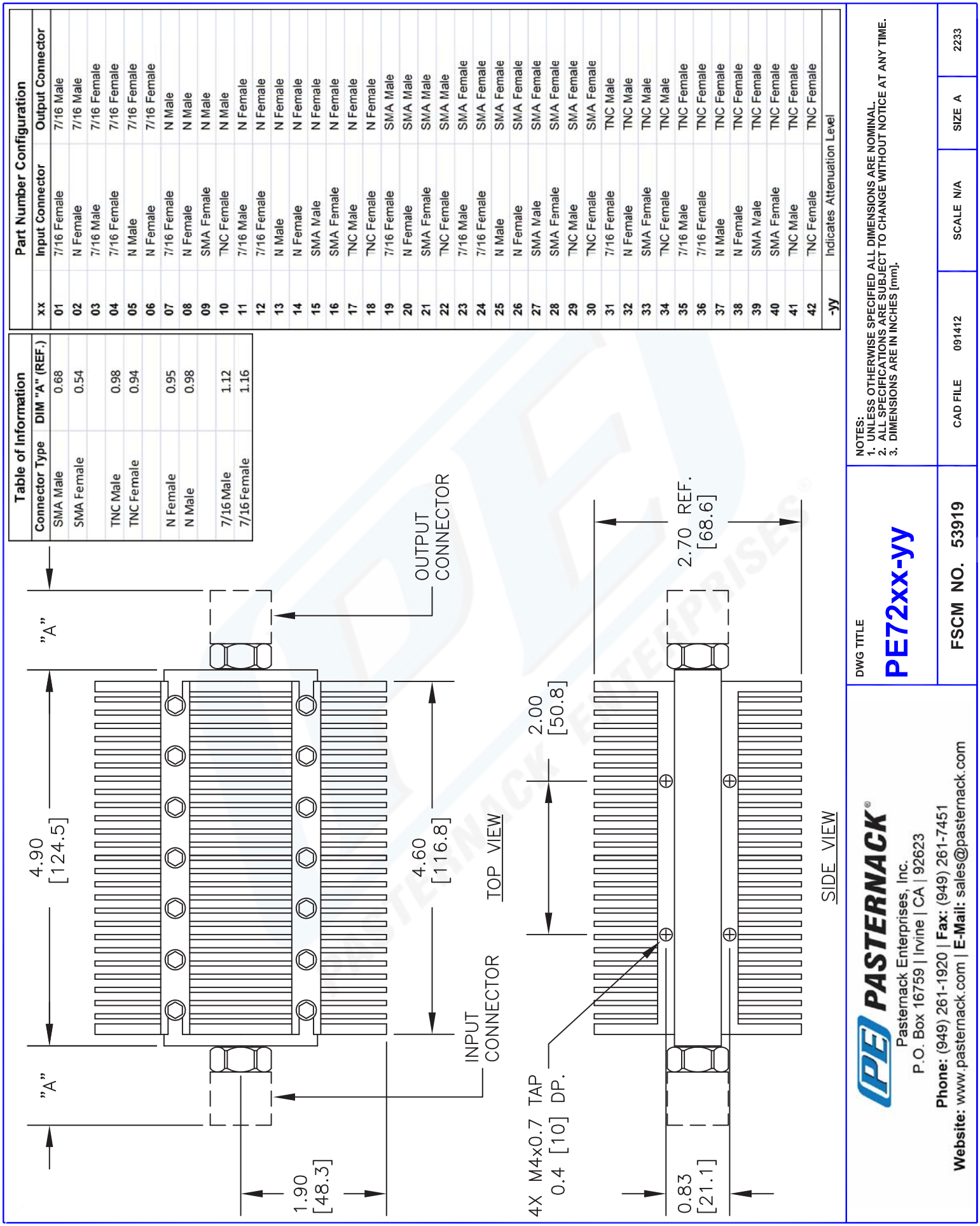
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PE7221-30 CAD Drawing

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