PASTERNACK®
THE ENGINEER'S RF SOURCE

50 dB Fixed Attenuator, 7/16 DIN Female to N Female Directional Black Anodized Aluminum Heatsink Body Rated to 50 Watts Up to 6 GHz

RF Fixed Attenuators Technical Data Sheet PE7321-50

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 50 dB Fixed Attenuator PE7321-50 is rated to 50 Watts and operates from DC to 6 GHz. The versatile coaxial package uses 7/16 DIN female to N female connectors and is also RoHS compliant. The Black Anodized Aluminum Heatsink body allows for efficient heat dissipation under high power usage conditions.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
Impedance		50		Ohms
Nominal Attenuation		50		dB
Attenuation Accuracy		±1.25		dB
VSWR			1.3:1	
Input Power, CW			50	Watts
Input Power, Peak			500	Watts

Mechanical Specifications

Size

Length	4.01 in [101.85 mm]
Width/Diameter	3 in [76.2 mm]
Height	3 in [76.2 mm]
Weight	1.796 lbs [814.65 g]
Body Material and Plating	Black Anodized Aluminum Heatsink

Configuration

Design	Fixed, Directional

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 50 dB Fixed Attenuator, 7/16 DIN Female to N Female Directional Black Anodized Aluminum Heatsink Body Rated to 50 Watts Up to 6 GHz PE7321-50

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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ISO 9001 : 2008 Registered

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Connectors

Description	Connector 1	Connector 2
Type	7/16 DIN Female	N Female
Contact Material and Plating	Brass, Silver	Brass, Gold
Outer Conductor Material and Plating		Brass, Silver
Hex Size	11/16 In.	11/16 In.
Body Material and Plating	Brass, Silver	Stainless Steel, Passivated

Environmental Specifications

Temperature

Operating Range -65 to +125 deg C

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

RoHS Compliant

Plotted and Other Data

Notes:

50 dB Fixed Attenuator, 7/16 DIN Female to N Female Directional Black Anodized Aluminum Heatsink Body Rated to 50 Watts Up 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.

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URL: http://www.pasternack.com/50db-fixed-7-16-female-n-female-50-watts-attenuator-pe7321-50-p.aspx

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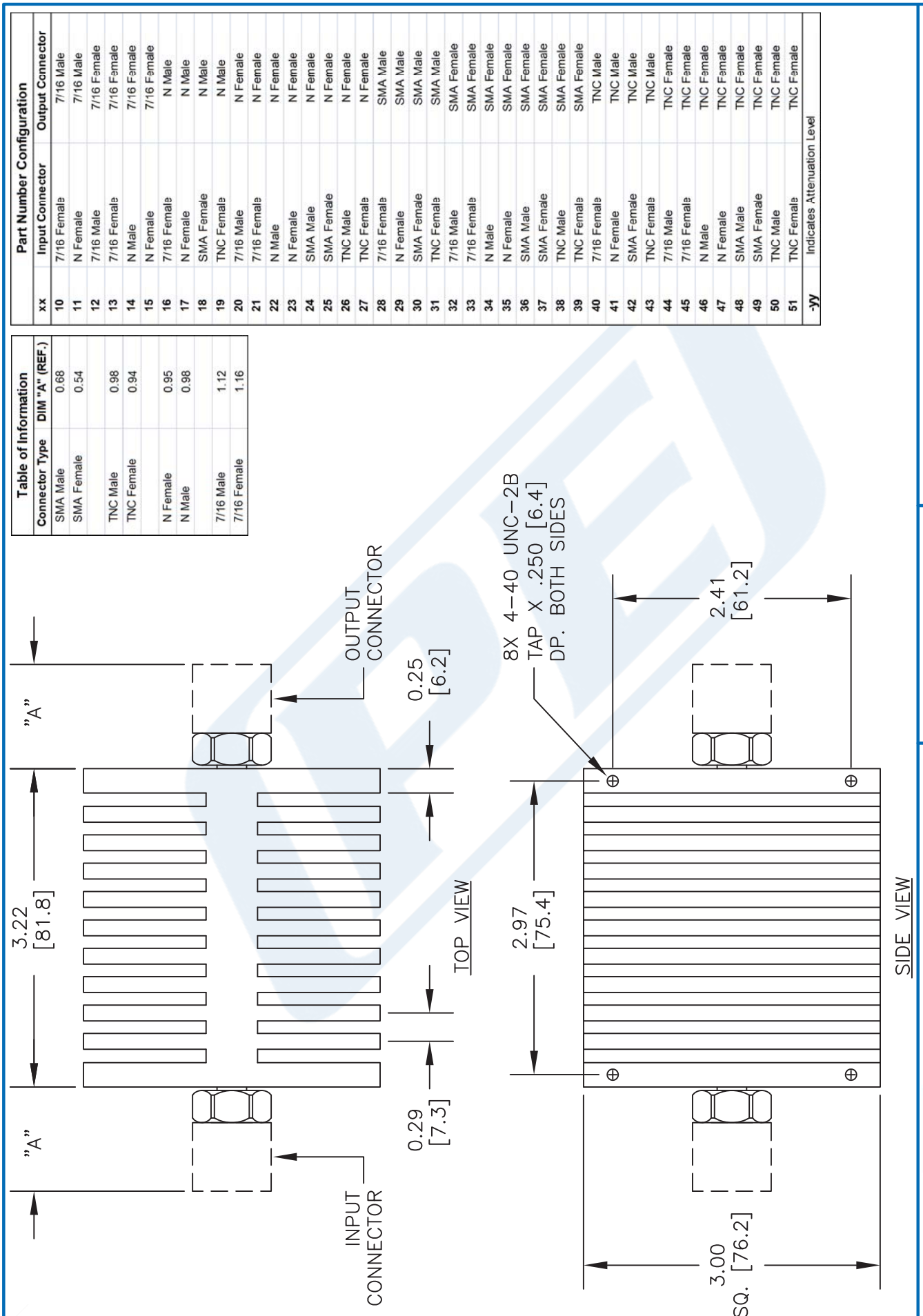
PE7321-50 CAD Drawing

50 dB Fixed Attenuator, 7/16 DIN Female to N Female Directional Black Anodized Aluminum Heatsink Body Rated to 50 Watts Up to 6 GHz

Part Number Configuration		
xx	Input Connector	Output Connector
10	7/16 Female	7/16 Male
11	N Female	7/16 Male
12	7/16 Male	7/16 Female
13	7/16 Female	7/16 Female
14	N Male	7/16 Female
15	N Female	7/16 Female
16	7/16 Female	N Male
17	N Female	N Male
18	SMA Female	N Male
19	TNC Female	N Male
20	7/16 Male	N Female
21	7/16 Female	N Female
22	N Male	N Female
23	N Female	N Female
24	SMA Male	N Female
25	SMA Female	N Female
26	TNC Male	N Female
27	TNC Female	N Female
28	7/16 Female	SMA Male
29	N Female	SMA Male
30	SMA Female	SMA Male
31	TNC Female	SMA Male
32	7/16 Male	SMA Female
33	7/16 Female	SMA Female
34	N Male	SMA Female
35	N Female	SMA Female
36	SMA Male	SMA Female
37	SMA Female	SMA Female
38	TNC Male	SMA Female
39	TNC Female	SMA Female
40	7/16 Female	TNC Male
41	N Female	TNC Male
42	SMA Female	TNC Male
43	TNC Female	TNC Male
44	7/16 Male	TNC Female
45	7/16 Female	TNC Female
46	N Male	TNC Female
47	N Female	TNC Female
48	SMA Male	TNC Female
49	SMA Female	TNC Female
50	TNC Male	TNC Female
51	TNC Female	TNC Female
-yy	Indicates Attenuation Level	

Table of Information	
Connector Type	DIM "A" (REF.)
SMA Male	0.68
SMA Female	0.54
TNC Male	0.98
TNC Female	0.94
N Female	0.95
N Male	0.98
7/16 Male	1.12
7/16 Female	1.16



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].

DWG TITLE: PE73xx-yy

CAD FILE 061416 | SCALE N/A | SIZE A | 2233

FSCM NO. 53919

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