



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

PE7316-50

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 PE7316-50 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
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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 PE7316-50](#)



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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.

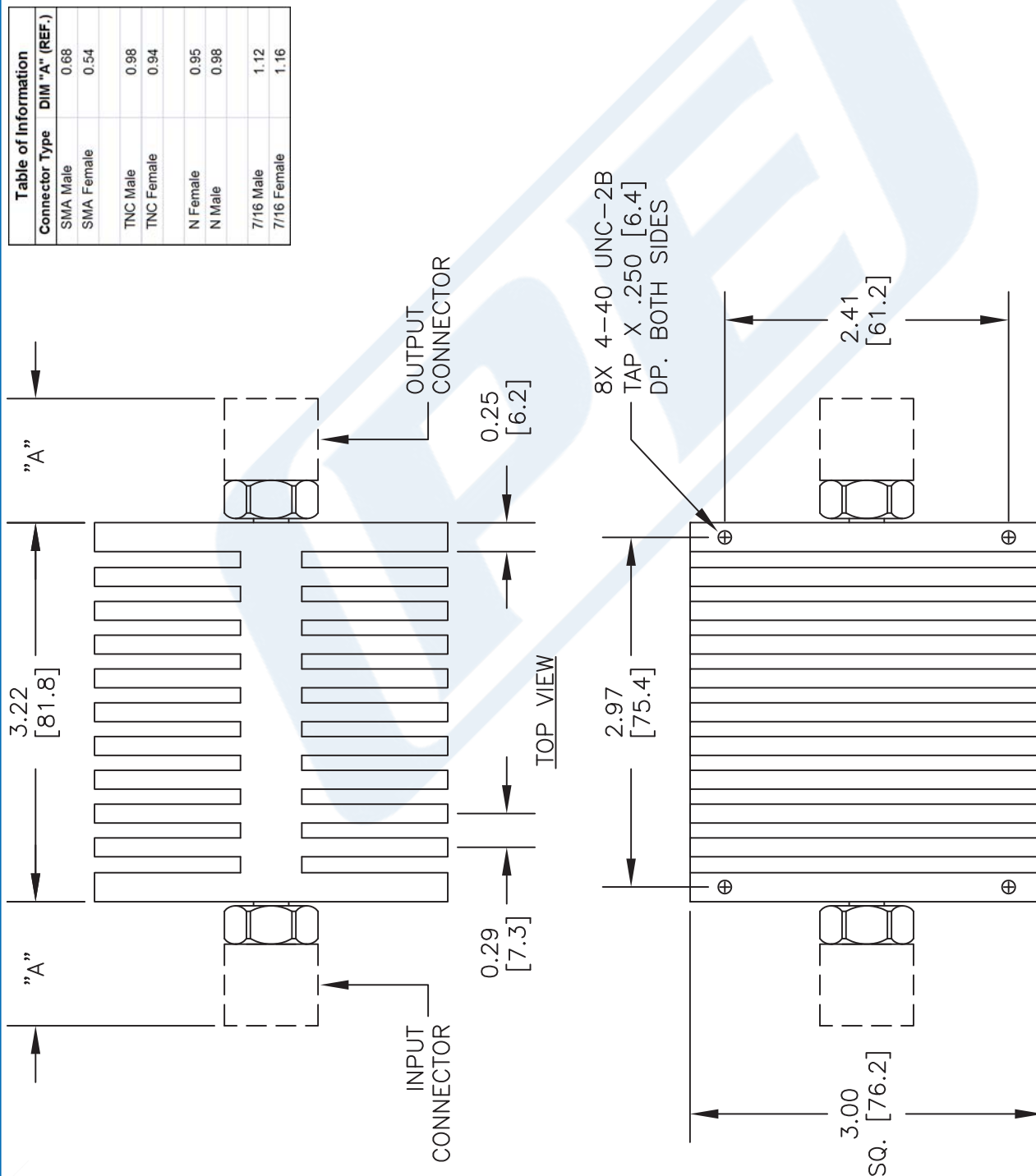
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PE7316-50 CAD Drawing

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

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	



DWG TITLE

PE73xx-yy

PE PASTERNAK®
THE ENGINEER'S RF SOURCE

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FSCM NO. 53919

CAD FILE 061416

SCALE N/A

SIZE A

2233