PASTERNACK®
THE ENGINEER'S RF SOURCE

3 dB Fixed Attenuator, N Male to N Female Directional Black Anodized Aluminum Heatsink Body Rated to 500 Watts Up to 2.4 GHz



RF Fixed Attenuators Technical Data Sheet PE7085-3

Features

- Directional
- DC to 2.4 GHz Frequency Range
- Attenuation 3±0.75 dB
- Max Power 500 Watts (CW)
- VSWR < 1.35:1

Applications

- Instrumentation
- Precision measurements
- Prototyping and characterization
- Production systems

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 3 dB Fixed Attenuator PE7085-3 is rated to 500 Watts and operates from DC to 2.4 GHz. The versatile coaxial package uses N male to N female connectors and is also REACH and 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		2.4	GHz
Impedance		50		Ohms
Nominal Attenuation		3		dB
VSWR			1.35:1	
Input Power, CW			500	Watts
Input Power, Peak			2	KWatts

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 3 dB Fixed Attenuator, N Male to N Female Directional Black Anodized Aluminum Heatsink Body Rated to 500 Watts Up to 2.4 GHz PE7085-3

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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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Range	DC to 1	1 to 2.4				GHz
VSWR, Max	1.25:1	1.35:1				
Attenuation Accuracy, Typ	±0.3	±0.75				dB

Mechanical Specifications

Size

Length	17 in [431.8 mm]
Width/Diameter	6.75 in [171.45 mm]
Height	6 in [152.4 mm]
Weight	16 lbs [7.26 Kg]
Body Material and Plating	Black Anodized Aluminum Heatsink

Configuration

Design	Fixed, Directional
Package Style	Connectorized Module

Connectors

Description	Connector 1	Connector 2
Type	N Male	N Female

Environmental Specifications

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

RoHS Compliant	
REACH Compliant	12/17/2015

Plotted and Other Data

Notes:

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3 dB Fixed Attenuator, N Male to N Female Directional Black Anodized Aluminum Heatsink Body Rated to 500 Watts Up to 2.4 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/3db-fixed-n-male-n-female-500-watts-attenuator-pe7085-3-p.aspx

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PE7085-3 CAD Drawing

3 dB Fixed Attenuator, N Male to N Female Directional Black Anodized Aluminum Heatsink Body Rated to 500 Watts Up to 2.4 GHz

P/N	ATTEN.	FIGURE
PE7085-2	2 dB	1
PE7085-3	3 dB	1
PE7085-6	6 dB	1
PE7085-10	6 dB	1
PE7085-30	6 dB	1

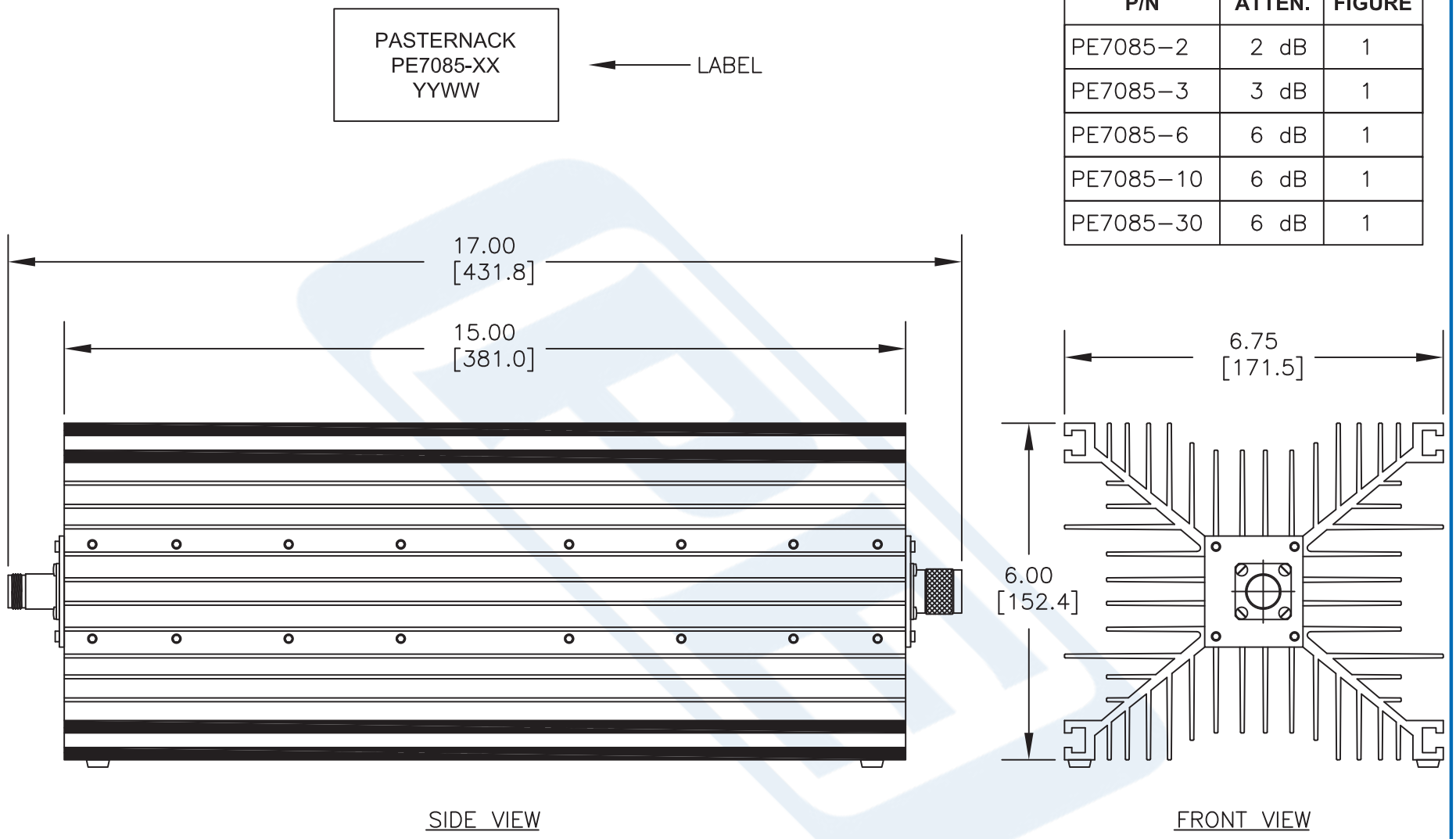


FIGURE 1

PASTERNACK
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DWG TITLE

PE7085

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].

FSCM NO. 53919	CAD FILE 022916	SCALE N/A	SIZE A	3045