

# 30 dB Fixed Attenuator, 7/16 DIN Male To 7/16 DIN Female Directional Black Aluminum Heatsink Body Rated To 300 Watts Up To 3 GHz



## **TECHNICAL DATA SHEET**

PE7418-30

Pasternack Enterprises' line of 300W Attenuators operate from DC to 3 GHz, and are available in 16 different 7/16 DIN, N, SMA and TNC in-series combinations. Our 300W Attenuators are manufactured with Passivated Stainless Steel SMA, TNC and N connectors, and Silver Plated Brass 7/16 DIN connectors. Pasternack 300W Attenuators come in 3 dB, 6 dB, 10 dB, 20 dB, 30 dB, 40 dB, & 50 dB values and will operate from -55 to +125 degrees C. Additional between-series connector combinations are available upon request.

- 300W average power and 2,500W peak power handling capability
- Operates to 3 GHz
- Temperature range of -55 to +125 degrees C
- 16 in-series combinations
- 7/16 DIN, SMA, N, TNC Male and Female connectors are available
- · Other connector combinations available upon request

### Configuration

Design Connector 1

Connector 2

Body Material and Plating

Fixed, Directional Attenuator

7/16 DIN Male 7/16 DIN Female

Black Aluminum Heatsink

### Electrical Specifications \* Values at 25°C, sea level

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
Attenuation Value		30		dB
Accuracy Statement	Attenuation accuracy it + / -			
Input Power			300	Watts
Peak Power			2.5	KWatts
VSWR			1.4:1	

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Range	DC to 1.5	1.5 to 3				GHz
VSWR	1.2:1	1.4:1				
Attenuation Accuracy	± 1	± 1.25				dB

## **Mechanical Specifications**

**Temperature** 

Operating Range

-55 to +125 deg C

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, 7/16 DIN Male To 7/16 DIN Female Directional Black Aluminum Heatsink Body Rated To 300 Watts Up To 3 GHz PE7418-30

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





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Size

 Length
 5.6 in [142.24 mm]

 Width
 6.2 in [157.48 mm]

 Height
 6.3 in [160.02 mm]

 Weight
 4 lbs [1.81 Kg]

#### Connectors

	Connector 2		
7/16 DIN Male	7/16 DIN Female		
Brass, Silver	Brass, Silver		
Brass, Silver			
7/16 Inch			
25 in-lbs [2.83 Nm]			
Brass, Silver	Brass, Silver		
	Brass, Silver Brass, Silver 7/16 Inch 25 in-lbs [2.83 Nm]		

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

### **Plotted and Other Data**

Notes:

- Values at 25 °C, sea level
- · Calculated Heatsink Thermal Rise: .7C / Watt

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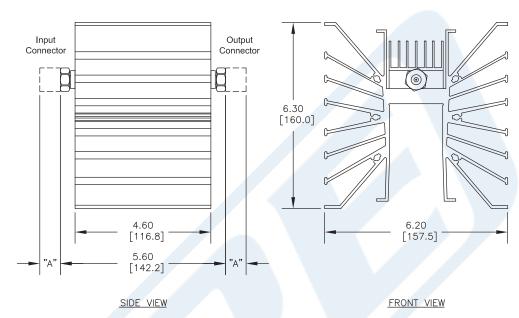
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PE7418-30

## **Outline Drawing**



Part Number Configuration			
XX	Input Connector	Output Connector	
05	SMA Male	SMA Male	
06	SMA Male	SMA Female	
07	SMA Female	SMA Female	
80	SMA Female	SMA Male	
09	N Male	N Male	
10	N Male	N Female	
11	N Female	N Female	
12	N Female	N Male	
13	TNC Male	TNC Male	
14	TNC Male	TNC Female	
15	TNC Female	TNC Female	
16	TNC Female	TNC Male	
17	7/16 Male	7/16 Male	
18	7/16 Male	7/16 Female	
19	7/16 Female	7/16 Female	
20	7/16 Female	7/16 Male	
- уу	Indicates Attenuation Level		

Table of Information			
Connector Type	Dlm "A" (Ref.)		
SMA Maje	0.88		
SMA Female	0.73		
TNC Male	1.06		
TNC Female	1.16		
N Female	1.19		
N Male	1.23		
7/16 Male	1.38		
7/16 Female	1.42		

30 dB Fixed Attenuator, 7/16 DIN Male To 7/16 DIN Female Directional Black Aluminum Heatsink Body Rated To 300 Watts Up To 3 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/30db-fixed-7-16-male-7-16-female-300-watts-attenuator-pe7418-30-p.aspx

