

# 20 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**

PE7418-20

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, 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		20		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: 20 dB Fixed Attenuator, 7/16 DIN Male To 7/16 DIN Female Directional Black Aluminum Heat-sink Body Rated To 300 Watts Up To 3 GHz PE7418-20

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Size

Length 5.6 in [142.24 mm] Width 6.2 in [157.48 mm] 6.3 in [160.02 mm] Height Weight 4 lbs [1.81 Kg]

#### Connectors

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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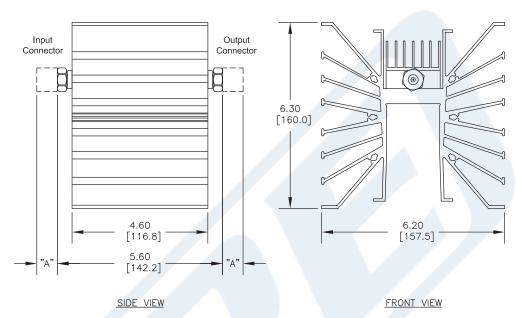
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## **Outline Drawing**



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	TNIC 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	
- yy	Indicates Attenuation Level	

Table of Information		
Connector Type	DIm "A" (Ref.)	
SMA Male	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	

20 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/20db-fixed-7-16-male-7-16-female-300-watts-attenuator-pe7418-20-p.aspx



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