



# 3 dB Fixed Attenuator, TNC Male To TNC Female Directional Black Aluminum Heatsink Body Rated To 300 Watts Up To 3 GHz

## **TECHNICAL DATA SHEET**

PE7414-3

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

TNC Male

TNC 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		3		dB
Accuracy Statement	Atte	nuation accuracy i	t + / -	
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	± 0.75	± 1				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: 3 dB Fixed Attenuator, TNC Male To TNC Female Directional Black Aluminum Heatsink Body Rated To 300 Watts Up To 3 GHz PE7414-3

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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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

Male TNC Female opper, Gold Beryllium Copper, Gold
Passivated Stainless Steel
ainless Steel
ainless Steel Passivated Stainless Steel

**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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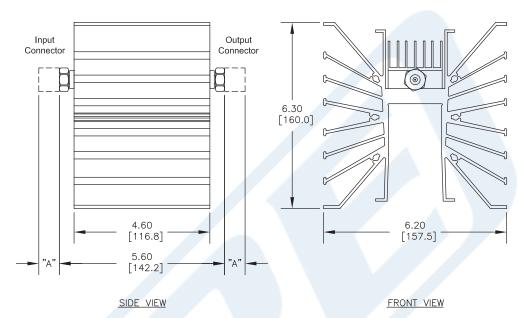


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## **Outline Drawing**



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	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	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			

3 dB Fixed Attenuator, TNC Male To TNC 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/3db-fixed-tnc-male-tnc-female-300-watts-attenuator-pe7414-3-p.aspx