

10 dB Fixed Attenuator, SMA Female To SMA Female Directional Black Aluminum Heatsink Body Rated To 300 Watts Up To 3 GHz

# **TECHNICAL DATA SHEET**

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 SMA 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		10		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	± 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: 10 dB Fixed Attenuator, SMA Female To SMA Female Directional Black Aluminum Heatsink Body Rated To 300 Watts Up To 3 GHz PE7407-10

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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ISO 9001 : 2008 Registered







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**Size** Length Width Height

Weight

5.6 in [142.24 mm] 6.2 in [157.48 mm] 6.3 in [160.02 mm] 4 lbs [1.81 Kg]

#### Connectors

Description	Connector 1	Connector 2	
Туре	SMA Female	SMA Female	
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold	
Outer Conductor Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel	
Body Material and Plating	Passivated Stainless 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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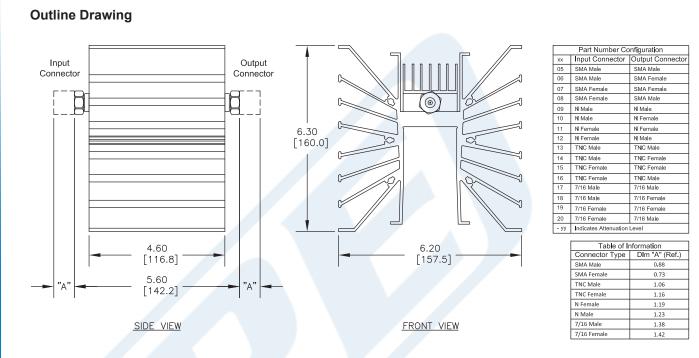






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10 dB Fixed Attenuator, SMA Female To SMA Female Directional Black Aluminum Heatsink Body Rated To 300 Watts Up To 3 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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URL: http://www.pasternack.com/10db-fixed-sma-female-sma-female-300-watts-attenuator-pe7407-10-p.aspx

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