



6 dB Fixed Attenuator, SMA Female To SMA Male  
Directional Rated To 50 Watts Up To 18 GHz

**TECHNICAL DATA SHEET**

**PE7330-6**

**6 dB Fixed Attenuator, SMA Female To SMA Male Directional Rated To 50 Watts Up To 18 GHz**

**Configuration**

|                           |                                   |
|---------------------------|-----------------------------------|
| Design                    | Fixed, Directional Attenuator     |
| Connector 1               | SMA Female                        |
| Connector 2               | SMA Male                          |
| Body Material and Plating | Aluminum Heatsink, Black Anodized |

**Electrical Specifications**

|                            |          |
|----------------------------|----------|
| Frequency Range, GHz       | DC to 18 |
| Impedance, Ohms            | 50       |
| Attenuation Value, dB      | 6        |
| Maximum Input Power, Watts | 50       |
| Maximum VSWR               | 1.6:1    |

**Frequency 1**

|                          |         |
|--------------------------|---------|
| Range, GHz               | DC to 6 |
| VSWR                     | 1.3:1   |
| Attenuation Accuracy, dB | 0.75    |

**Frequency 2**

|                          |           |
|--------------------------|-----------|
| Range, GHz               | 6 to 12.4 |
| VSWR                     | 1.45:1    |
| Attenuation Accuracy, dB | 0.75      |

**Frequency 3**

|                          |            |
|--------------------------|------------|
| Range, GHz               | 12.4 to 18 |
| VSWR                     | 1.6:1      |
| Attenuation Accuracy, dB | 1          |

**Mechanical Specifications**

**Temperature**

|                        |             |
|------------------------|-------------|
| Operating Range, deg C | -55 to +125 |
|------------------------|-------------|

**Size**

|                 |                |
|-----------------|----------------|
| Length, in [mm] | 4.01 [101.85]  |
| Width, in [mm]  | 3 [76.2]       |
| Height, in [mm] | 3 [76.2]       |
| Weight, lbs [g] | 1.796 [814.65] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [6 dB Fixed Attenuator, SMA Female To SMA Male Directional Rated To 50 Watts Up To 18 GHz PE7330-6](#)

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal.



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**Connector 1**

|                                    |                             |
|------------------------------------|-----------------------------|
| Type                               | SMA Female                  |
| Contact Material and Plating       | Beryllium Copper, Gold      |
| Coupling Nut Material and Plating  | Stainless Steel, Passivated |
| Coupling Nut Plating Specification | Stainless Steel             |
| Hex Size, In.                      | 11/16                       |
| Body Material and Plating          | Stainless Steel, Passivated |

**Connector 2**

|                                      |                             |
|--------------------------------------|-----------------------------|
| Type                                 | SMA Male                    |
| Contact Material and Plating         | Beryllium Copper, Gold      |
| Outer Conductor Material and Plating | Stainless Steel, Passivated |
| Hex Size, In.                        | 11/16                       |
| Body Material and Plating            | Stainless Steel, Passivated |

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

|                |     |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

**Plotted and Other Data**

|        |                                                                                                                                                                                                       |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notes: | Values at 25 °C, sea level<br>OUTPUT PORT HANDLES 5 WATTS MAX POWER                                                                                                                                   |
| URL:   | <a href="http://www.pasternack.com/6db-fixed-sma-female-sma-male-50-watts-attenuator-pe7330-6-p.aspx">http://www.pasternack.com/6db-fixed-sma-female-sma-male-50-watts-attenuator-pe7330-6-p.aspx</a> |

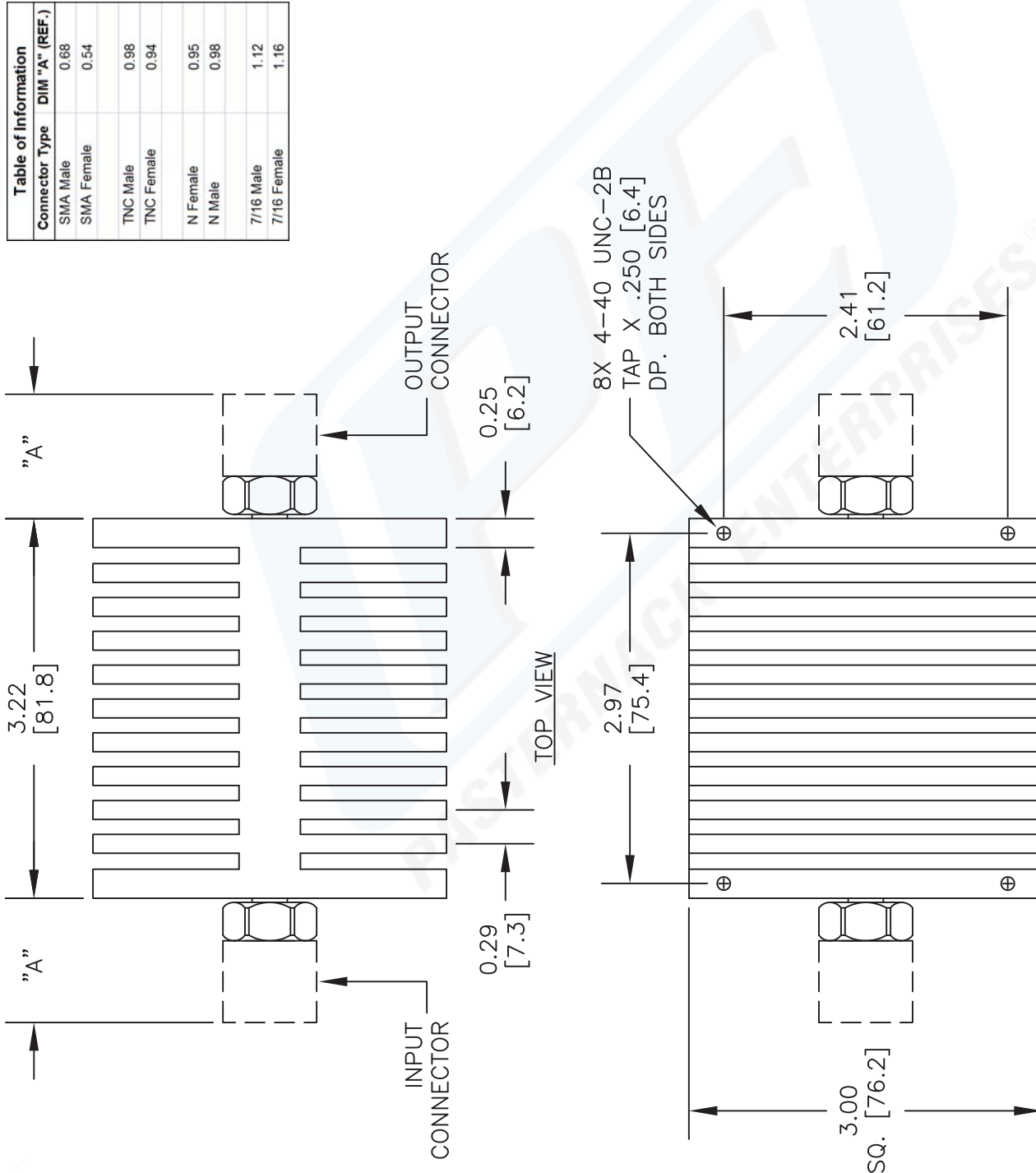
6 dB Fixed Attenuator, SMA Female To SMA Male Directional Rated To 50 Watts Up To 18 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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# PE7330-6 CAD Drawing

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| Table of Information |                |  |
|----------------------|----------------|--|
| Connector Type       | DIM "A" (REF.) |  |
| SMA Male             | 0.68           |  |
| SMA Female           | 0.54           |  |
| TNC Male             | 0.98           |  |
| TNC Female           | 0.94           |  |
| N Female             | 0.95           |  |
| N Male               | 0.98           |  |
| 7/16 Male            | 1.12           |  |
| 7/16 Female          | 1.16           |  |



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].

DWG TITLE  
**PE73xx-yy**

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FSCM NO. 53919

SCALE N/A

SIZE A

2233