



20 dB Fixed Attenuator, SMA Female To TNC Female  
Directional Rated To 50 Watts Up To 18 GHz

TECHNICAL DATA SHEET

PE7349-20

20 dB Fixed Attenuator, SMA Female To TNC Female Directional Rated To 50 Watts Up To 18 GHz

**Configuration**

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

**Electrical Specifications**

|                            |          |
|----------------------------|----------|
| Frequency Range, GHz       | DC to 18 |
| Impedance, Ohms            | 50       |
| Attenuation Value, dB      | 20       |
| 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 | 1.25       |

**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: [20 dB Fixed Attenuator, SMA Female To TNC Female Directional Rated To 50 Watts Up To 18 GHz PE7349-20](#)

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                                 | TNC Female                  |
| 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/20db-fixed-sma-female-tnc-female-50-watts-attenuator-pe7349-20-p.aspx">http://www.pasternack.com/20db-fixed-sma-female-tnc-female-50-watts-attenuator-pe7349-20-p.aspx</a> |

20 dB Fixed Attenuator, SMA Female To TNC Female 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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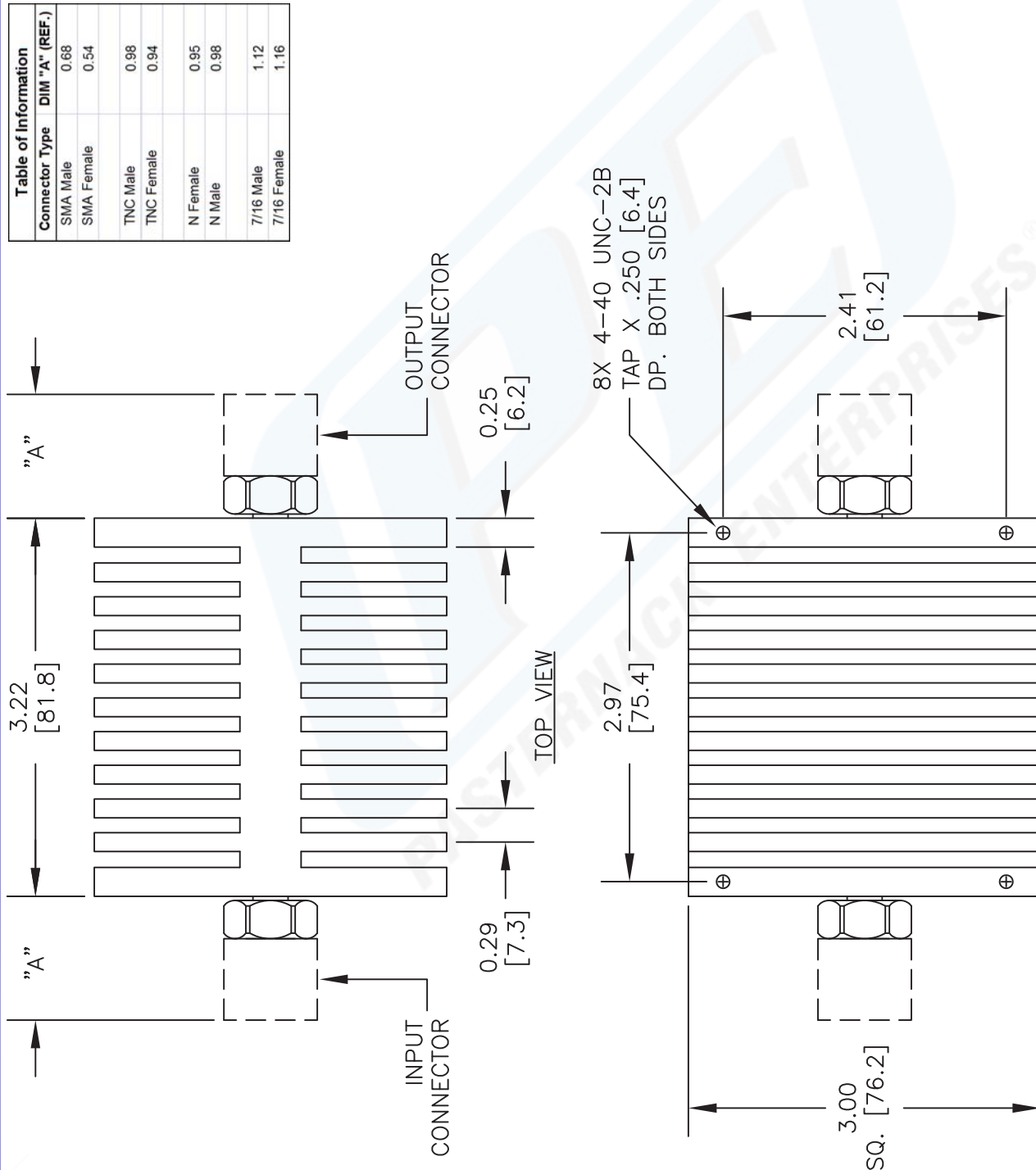
# PE7349-20 CAD Drawing

20 dB Fixed Attenuator, SMA Female To TNC Female

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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           |  |

| Part Number Configuration |                             |                  |
|---------------------------|-----------------------------|------------------|
| xx                        | Input Connector             | Output Connector |
| 10                        | 7/16 Female                 | 7/16 Male        |
| 11                        | N Female                    | 7/16 Male        |
| 12                        | 7/16 Male                   | 7/16 Female      |
| 13                        | 7/16 Female                 | 7/16 Female      |
| 14                        | N Male                      | 7/16 Female      |
| 15                        | N Female                    | 7/16 Female      |
| 16                        | 7/16 Female                 | N Male           |
| 17                        | N Female                    | N Male           |
| 18                        | SMA Female                  | N Male           |
| 19                        | TNC Female                  | N Male           |
| 20                        | 7/16 Male                   | N Female         |
| 21                        | 7/16 Female                 | N Female         |
| 22                        | N Male                      | N Female         |
| 23                        | N Female                    | N Female         |
| 24                        | SMA Male                    | N Female         |
| 25                        | SMA Female                  | N Female         |
| 26                        | TNC Male                    | N Female         |
| 27                        | TNC Female                  | N Female         |
| 28                        | 7/16 Female                 | SMA Male         |
| 29                        | N Female                    | SMA Male         |
| 30                        | SMA Female                  | SMA Male         |
| 31                        | TNC Female                  | SMA Male         |
| 32                        | 7/16 Male                   | SMA Female       |
| 33                        | 7/16 Female                 | SMA Female       |
| 34                        | N Male                      | SMA Female       |
| 35                        | N Female                    | SMA Female       |
| 36                        | SMA Male                    | SMA Female       |
| 37                        | SMA Female                  | SMA Female       |
| 38                        | TNC Male                    | SMA Female       |
| 39                        | TNC Female                  | SMA Female       |
| 40                        | 7/16 Female                 | TNC Male         |
| 41                        | N Female                    | TNC Male         |
| 42                        | SMA Female                  | TNC Male         |
| 43                        | TNC Female                  | TNC Male         |
| 44                        | 7/16 Male                   | TNC Female       |
| 45                        | 7/16 Female                 | TNC Female       |
| 46                        | N Male                      | TNC Female       |
| 47                        | N Female                    | TNC Female       |
| 48                        | SMA Male                    | TNC Female       |
| 49                        | SMA Female                  | TNC Female       |
| 50                        | TNC Male                    | TNC Female       |
| 51                        | TNC Female                  | TNC Female       |
| -yy                       | Indicates Attenuation Level |                  |



DWG TITLE

PE73xx-yy

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].

**PASTERNAK®**

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FSCM NO. 53919

CAD FILE 102512

SCALE N/A

SIZE A

2233