



## 50 Ohm SMA Isolator Operating From 2 GHz to 6 GHz And 25 Watts With 14 dB Isolation

### TECHNICAL DATA SHEET

PE8327

#### Configuration

|                 |                |
|-----------------|----------------|
| Connector 1     | SMA Female     |
| Connector 2     | SMA Female     |
| Frequency Range | 2 GHz to 6 GHz |
| Design          | Isolator       |

#### Electrical Specifications (Values at 25°C, sea level)

| Description     | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | 2       |         | 6       | GHz   |
| Impedance       |         | 50      |         | Ohms  |
| Insertion Loss  |         |         | 0.8     | dB    |
| Forward Power   |         |         | 25      | Watts |
| Reverse Power   |         |         | 2       | Watts |
| Input VSWR      |         |         | 1.5:1   |       |
| Isolation       | 14      |         |         | dB    |
| Peak Power      |         |         | 50      | Watts |

#### Mechanical Specifications

##### Temperature

|                 |               |
|-----------------|---------------|
| Operating Range | 0 to 50 deg C |
|-----------------|---------------|

##### Size

|                        |                     |
|------------------------|---------------------|
| Length                 | 2.33 in [59.18 mm]  |
| Width                  | 1.77 in [44.96 mm]  |
| Height                 | 0.7 in [17.78 mm]   |
| Weight                 | 0.218 lbs [98.88 g] |
| Number of Output Ports | 1                   |

#### Connectors

| Description                    | Connector 1                | Connector 2                | Connector 3 |
|--------------------------------|----------------------------|----------------------------|-------------|
| Contact Material and Plating   | Beryllium Copper, Gold     | Beryllium Copper, Gold     |             |
| Connector 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](http://www.Pasternack.com) for current document)

RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm SMA Isolator Operating From 2 GHz to 6 GHz And 25 Watts With 14 dB Isolation PE8327](#)



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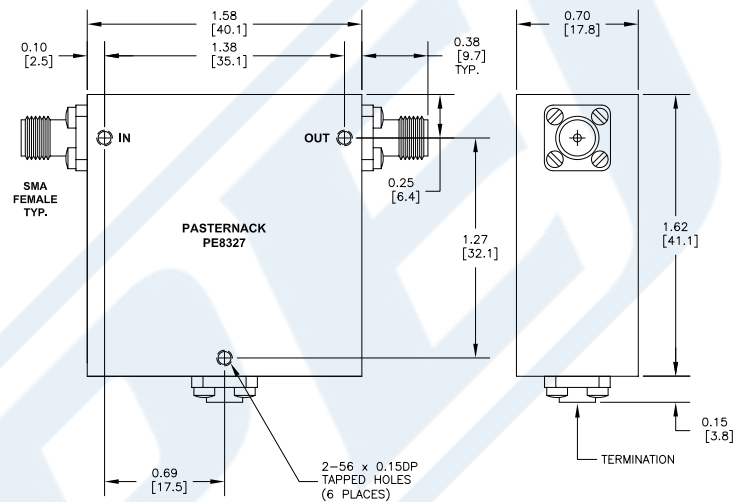
PE8327

#### Plotted and Other Data

Notes:

- Values at 25 °C, sea level

#### Outline Drawing



50 Ohm SMA Isolator Operating From 2 GHz to 6 GHz And 25 Watts With 14 dB Isolation 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm SMA Isolator Operating From 2 GHz to 6 GHz And 25 Watts With 14 dB Isolation PE8327](http://www.pasternack.com/50-ohm-sma-isolator-2-6-ghz-25-watts-14-db-pe8327-p.aspx)

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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. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.