



50 Ohm SMA Isolator Operating From 4 GHz to  
8 GHz And 10 Watts With 18 dB Isolation

TECHNICAL DATA SHEET

PE8302

**Configuration**

|                 |                |
|-----------------|----------------|
| Connector 1     | SMA Female     |
| Connector 2     | SMA Female     |
| Frequency Range | 4 GHz to 8 GHz |
| Design          | Isolator       |

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

| Description     | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | 4       |         | 8       | GHz   |
| Impedance       |         | 50      |         | Ohms  |
| Insertion Loss  |         |         | 0.6     | dB    |
| Forward Power   |         |         | 10      | Watts |
| Reverse Power   |         |         | 10      | Watts |
| Input VSWR      |         |         | 1.3:1   |       |
| Isolation       | 18      |         |         | dB    |

**Mechanical Specifications**

|                           |                    |
|---------------------------|--------------------|
| <b>Size</b>               |                    |
| Length                    | 1.75 in [44.45 mm] |
| Width                     | 1.17 in [29.72 mm] |
| Height                    | 0.63 in [16 mm]    |
| Body Material and Plating | Steel              |

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

|                 |            |
|-----------------|------------|
| RoHS Compliant  | Yes        |
| REACH Compliant | 06/18/2010 |

**Plotted and Other Data**

- Notes:
- Values at 25 °C, sea level

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 4 GHz to 8 GHz And 10 Watts With 18 dB Isolation PE8302](#)

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.

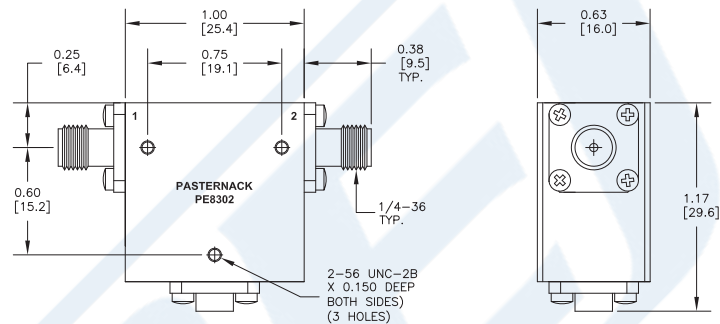


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Outline Drawing



50 Ohm SMA Isolator Operating From 4 GHz to 8 GHz And 10 Watts With 18 dB Isolation 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.

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 4 GHz to 8 GHz And 10 Watts With 18 dB Isolation PE8302](http://www.pasternack.com/50-ohm-sma-isolator-4000-mhz-8000-mhz-20-watts-18-db-pe8302-p.aspx)

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