



50 Ohm 2 Way SMA Resistive Power Divider  
From DC to 6 GHz Rated at 2 Watts

TECHNICAL DATA SHEET

PE2082

**Configuration**

|                        |            |
|------------------------|------------|
| Input Connector        | SMA Male   |
| Output Connectors      | SMA Female |
| Frequency Range, GHz   | DC to 6    |
| Design                 | Resistive  |
| Number of Output Ports | 2          |

**Electrical Specifications**

|                            |         |
|----------------------------|---------|
| Frequency Range, GHz       | DC to 6 |
| Impedance, Ohms            | 50      |
| Maximum Insertion Loss, dB | 6       |
| Maximum Input Power, Watts | 2       |
| Maximum Input VSWR         | 1.3:1   |
| Phase Balance, Degrees     | ± 1     |
| Flatness, dB               | 0.3     |

**Mechanical Specifications**

**Temperature**

|                        |             |
|------------------------|-------------|
| Operating Range, deg C | -65 to +125 |
|------------------------|-------------|

**Size**

|                 |               |
|-----------------|---------------|
| Length, in [mm] | 1.05 [26.67]  |
| Width, in [mm]  | 0.375 [9.53]  |
| Height, in [mm] | 0.965 [24.51] |

**Input Connector**

|                                   |                            |
|-----------------------------------|----------------------------|
| Contact Material and Plating      | Beryllium Copper, Gold     |
| Connector Material and Plating    | Passivated Stainless Steel |
| Coupling Nut Material and Plating | Passivated Stainless Steel |

**Output Connectors**

|                                |                            |
|--------------------------------|----------------------------|
| Contact Material and Plating   | Beryllium Copper, Gold     |
| Connector Material and Plating | Passivated Stainless Steel |
| Hex Size, Inch                 | 5/16                       |
| Torque, in-lbs [Nm]            | 8 [0.9]                    |
| Body Material and Plating      | Passivated Stainless Steel |

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

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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm 2 Way SMA Resistive Power Divider From DC to 6 GHz Rated at 2 Watts PE2082](#)

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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**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

50 Ohm 2 Way SMA Resistive Power Divider From DC to 6 GHz Rated at 2 Watts 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.

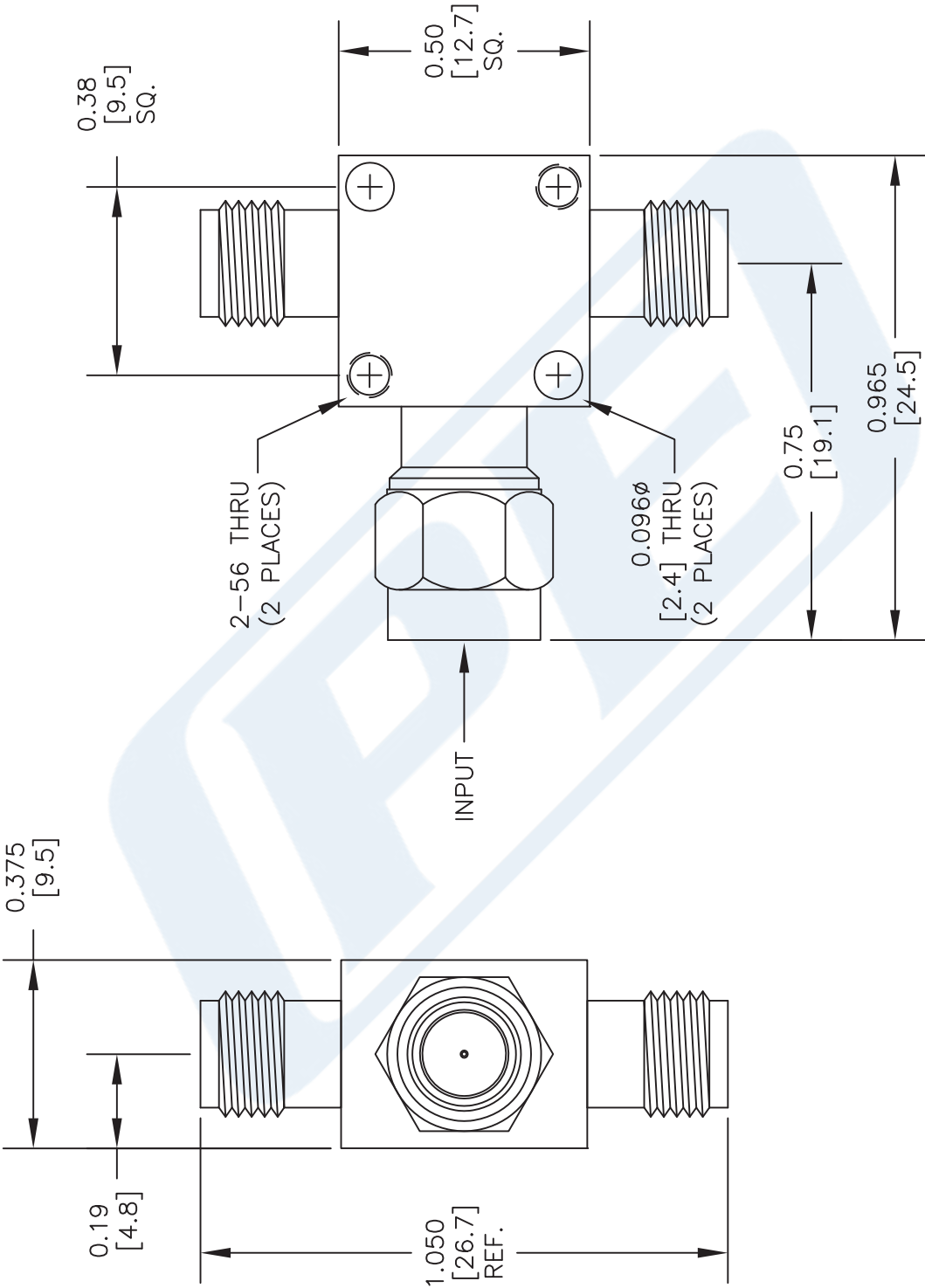
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PE2082 CAD Drawing

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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  
**PE2082**

FSCM NO. 53919

CAD FILE 012814

SCALE N/A

SIZE A

150

**PE PASTERNAK®**  
THE ENGINEER'S RF SOURCE

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