



## 50 Ohm 3 Way SMA Wilkinson Power Divider From 690 MHz to 2.7 GHz Rated at 10 Watts

### TECHNICAL DATA SHEET

**PE2090**

#### 50 Ohm 3 Way SMA Wilkinson Power Divider From 690 MHz to 2.7 GHz Rated at 10 Watts

##### Configuration

|                                 |             |
|---------------------------------|-------------|
| Input Connector                 | SMA Female  |
| Input Connector Specification   | MIL-STD-348 |
| Output Connectors               | SMA Female  |
| Output Connectors Specification | MIL-STD-348 |
| Frequency Range, GHz            | 0.69 to 2.7 |
| Design                          | Wilkinson   |
| Number of Output Ports          | 3           |
| Housing Material and Plating    | Aluminum    |

##### Electrical Specifications

|                            |             |
|----------------------------|-------------|
| Frequency Range, GHz       | 0.69 to 2.7 |
| Impedance, Ohms            | 50          |
| Maximum Insertion Loss, dB | 0.8         |
| Maximum Input Power, Watts | 10          |
| Maximum Input VSWR         | 1.4:1       |
| Maximum Output VSWR        | 1.25:1      |
| Minimum Isolation, dB      | 22          |
| Phase Balance, Degrees     | ± 6         |
| Flatness, dB               | 0.4         |

##### Mechanical Specifications

###### Temperature

|                        |            |
|------------------------|------------|
| Operating Range, deg C | -55 to +85 |
|------------------------|------------|

###### Size

|                 |              |
|-----------------|--------------|
| Length, in [mm] | 4.1 [104.14] |
| Width, in [mm]  | 3 [76.2]     |
| Height, in [mm] | 0.75 [19.05] |

###### Input Connector

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

###### Output Connectors

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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [50 Ohm 3 Way SMA Wilkinson Power Divider From 690 MHz to 2.7 GHz Rated at 10 Watts PE2090](#)

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

#### Plotted and Other Data

Notes:

Values at 25 °C, sea level

50 Ohm 3 Way SMA Wilkinson Power Divider From 690 MHz to 2.7 GHz Rated at 10 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.

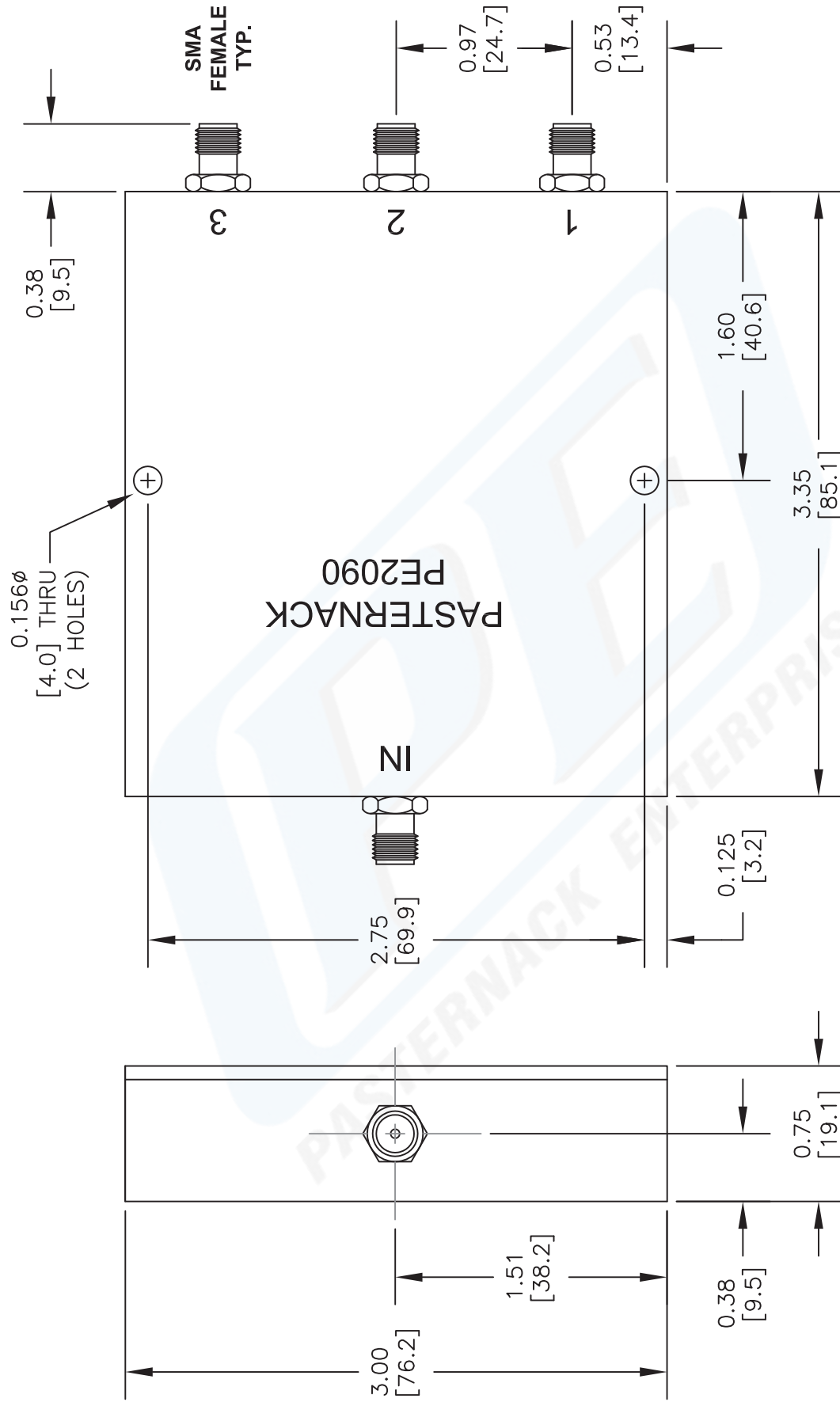
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# PE2090 CAD Drawing

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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  
**PE2090**

**PASTERNAK**  
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CAD FILE 100213 SCALE N/A SIZE A 150

FSCM NO. 53919