



## Dual Directional 20 dB SMA Coupler From 4 GHz to 8 GHz Rated To 50 Watts

### TECHNICAL DATA SHEET

PE2221-20

#### Dual Directional 20 dB SMA Coupler From 4 GHz to 8 GHz Rated To 50 Watts

##### Configuration

|             |                          |
|-------------|--------------------------|
| Connector 1 | SMA Female               |
| Connector 2 | SMA Female               |
| Connector 3 | SMA Female               |
| Design      | Dual Directional Coupler |

##### Electrical Specifications

|                             |        |
|-----------------------------|--------|
| Frequency Range, GHz        | 4 to 8 |
| Directivity, dB             | 18     |
| Impedance, Ohms             | 50     |
| Maximum Insertion Loss, dB  | 0.6    |
| Maximum Input Power, Watts  | 50     |
| Maximum Input VSWR          | 1.35:1 |
| Maximum Secondary Line VSWR | 1.25:1 |
| Peak Power, KWatts          | 3      |
| Coupling Value, dB          | 20     |
| Coupling Tolerance, dB      | ± 1.25 |
| Frequency Sensitivity, dB   | 0.8    |

##### Mechanical Specifications

###### Size

|                 |              |
|-----------------|--------------|
| Length, in [mm] | 2.85 [72.39] |
| Width, in [mm]  | 0.38 [9.65]  |
| Height, in [mm] | 1.01 [25.65] |

###### Connector 1

|      |            |
|------|------------|
| Type | SMA Female |
|------|------------|

###### Connector 2

|      |            |
|------|------------|
| Type | SMA Female |
|------|------------|

###### Connector 3

|      |            |
|------|------------|
| Type | SMA Female |
|------|------------|

##### 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: [Dual Directional 20 dB SMA Coupler From 4 GHz to 8 GHz Rated To 50 Watts PE2221-20](#)

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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**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

Dual Directional 20 dB SMA Coupler From 4 GHz to 8 GHz Rated To 50 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.

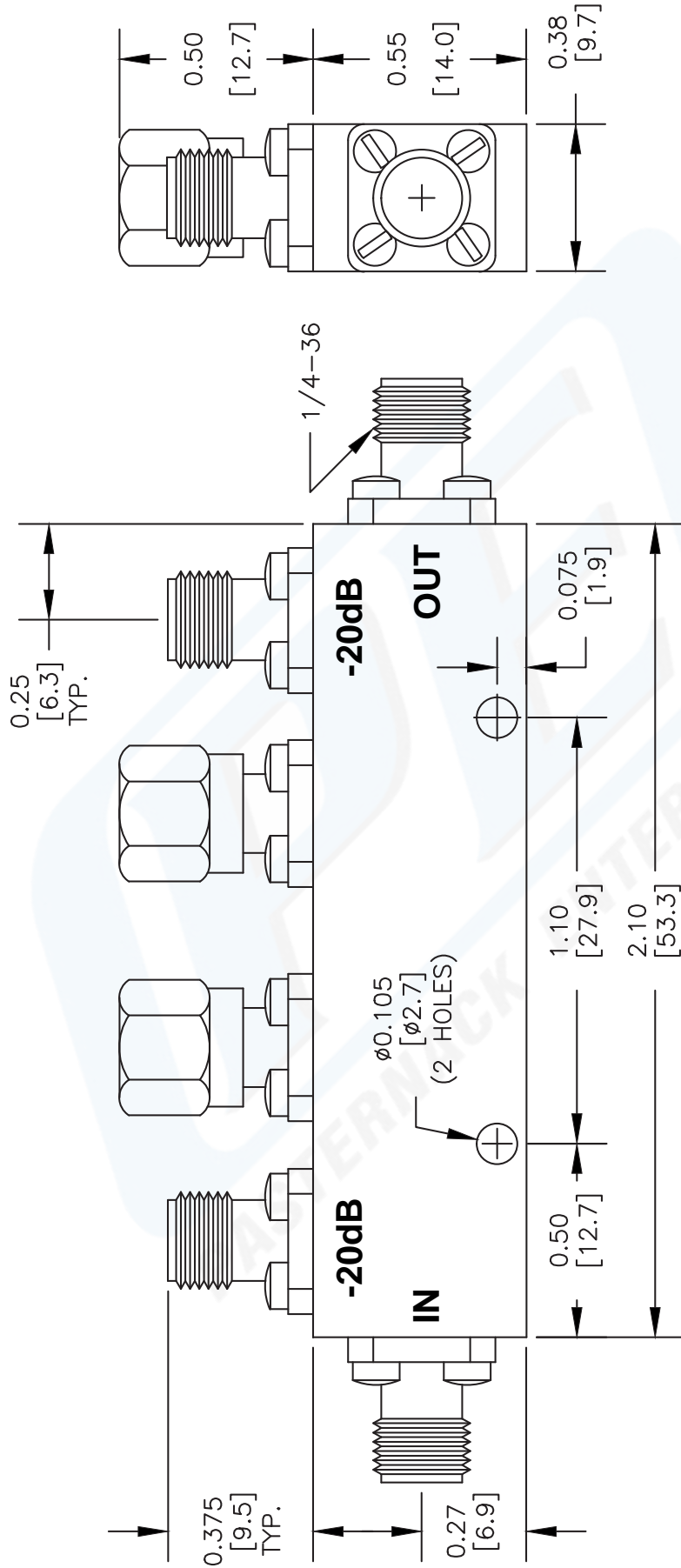
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Dual Directional 20 dB SMA Coupler From 4 GHz to 8 GHz Rated To 50 Watts PE2221-20](http://www.pasternack.com/dual-directional-20-db-sma-coupler-4-8-ghz-10-watts-pe2221-20-p.aspx)

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# PE2221-20 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  
**PE2221-20**

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CAD FILE 030210 SCALE N/A SIZE A XXXX

FSCM NO. 53919