



Directional 20 dB SMA Coupler From 2 GHz
to 4 GHz Rated To 50 Watts

TECHNICAL DATA SHEET

PE2202-20

Directional 20 dB SMA Coupler From 2 GHz to 4 GHz Rated To 50 Watts

Configuration

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

Electrical Specifications

| | |
|---------------------------------|--------|
| Frequency Range, GHz | 2 to 4 |
| Directivity, dB | 22 |
| Impedance, Ohms | 50 |
| Maximum Insertion Loss, dB | 0.2 |
| Maximum Input Power, Watts | 50 |
| Maximum Input VSWR | 1.15:1 |
| Maximum Secondary Line VSWR | 1.15:1 |
| Peak Power, KWatts | 3 |
| Maximum Operating Voltage, Vrms | 50 |
| Coupling Value, dB | 20 |
| Coupling Tolerance, dB | ± 1.25 |
| Frequency Sensitivity, dB | 0.75 |

Mechanical Specifications

Size

| | |
|-----------------|--------------|
| Length, in [mm] | 1.16 [29.46] |
| Width, in [mm] | 0.38 [9.65] |
| Height, in [mm] | 1.06 [26.92] |

Connector 1

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

Connector 2

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

Connector 3

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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Directional 20 dB SMA Coupler From 2 GHz to 4 GHz Rated To 50 Watts PE2202-20](#)

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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Compliance Certifications (visit www.Pasternack.com for current document)

Plotted and Other Data

Notes:

Values at 25 °C, sea level

Directional 20 dB SMA Coupler From 2 GHz to 4 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.

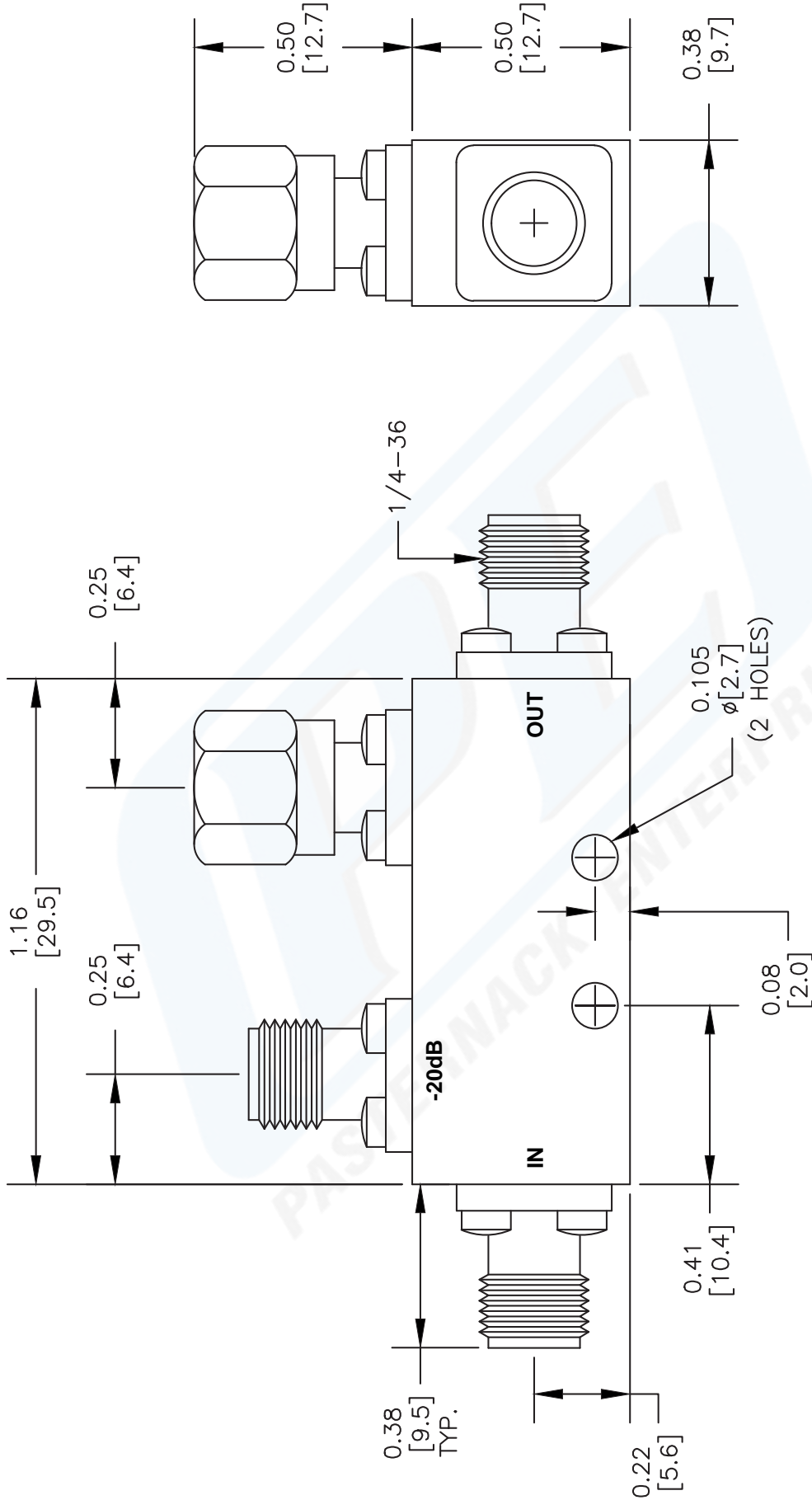
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Directional 20 dB SMA Coupler From 2 GHz to 4 GHz Rated To 50 Watts PE2202-20](http://www.pasternack.com/directional-20-db-sma-coupler-2-4-ghz-50-watts-pe2202-20-p.aspx)

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PE2202-20 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 | | CAD FILE | | SCALE | | SIZE | |
| PE2202-20 | | 092908-A | | N/A | | A | |
| REV. A | FSCM NO. 53919 | | | | | XXXX | |

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