



Directional 16 dB SMA Coupler From 1 GHz  
to 18 GHz Rated To 25 Watts

TECHNICAL DATA SHEET

PE2214-16

**Directional 16 dB SMA Coupler From 1 GHz to 18 GHz Rated To 25 Watts**

**Configuration**

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

**Electrical Specifications**

Frequency Range, GHz	1 to 18
Directivity, dB	12
Impedance, Ohms	50
Maximum Insertion Loss, dB	0.9
Maximum Input Power, Watts	25
Maximum Input VSWR	1.4:1
Maximum Secondary Line VSWR	1.5:1
Peak Power, KWatts	3
Coupling Value, dB	16
Coupling Tolerance, dB	± 1
Frequency Sensitivity, dB	0.5

**Mechanical Specifications**

**Size**

Length, in [mm]	4.22 [107.19]
Width, in [mm]	0.5 [12.7]
Height, in [mm]	1.2 [30.48]

**Connector 1**

Type	SMA Female
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**Connector 2**

Type	SMA Female
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**Connector 3**

Type	SMA Female
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Directional 16 dB SMA Coupler From 1 GHz to 18 GHz Rated To 25 Watts PE2214-16](#)

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

Directivity: 15 minimum for 1-12.4 GHz, 12 minimum for  
12.4-18 GHz

Directional 16 dB SMA Coupler From 1 GHz to 18 GHz Rated To 25 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.

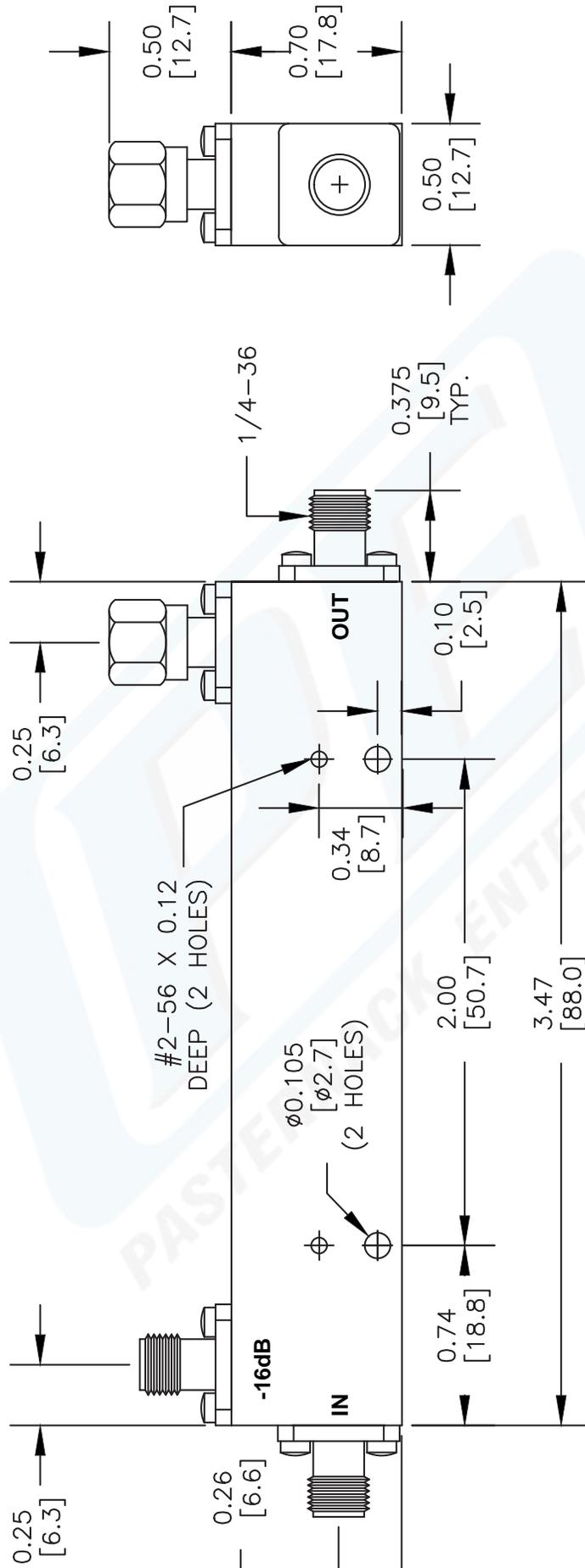
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URL: <http://www.pasternack.com/directional-16-db-sma-coupler-1-18-ghz-25-watts-pe2214-16-p.aspx>

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# PE2214-16 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  
**PE2214-16**

FSCM NO. 53919

CAD FILE 092908-A SCALE N/A SIZE A XXXX



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