



Dual Directional 40 dB N Coupler From 800 MHz  
to 4.2 GHz Rated to 200 Watts

## Couplers Technical Data Sheet

PE2CP1016

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.8		4.2	GHz
Impedance		50		Ohms
Coupling		40 ±1		dB
Frequency Sensitivity			±0.5	dB
Insertion Loss			0.3	dB
Directivity	20			dB
Main Line VSWR			1.3:1	
Input Power (CW)			200	Watts

### Mechanical Specifications

#### Size

Length	3 in [76.2 mm]
Width/Dia.	1.09 in [27.69 mm]
Height	2.5 in [63.5 mm]
Weight	1.029 lbs [466.75 g]
Housing Material and Plating	Aluminum Alloy, Chem Film

#### Configuration

Input Connector	N Female
Output Connector	N Female
Coupled Connectors	N Female

### Environmental Specifications

#### Temperature

Operating Range	-55 to +85 deg C
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**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Dual Directional 40 dB N Coupler From 800 MHz to 4.2 GHz Rated to 200 Watts PE2CP1016](#)



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Dual Directional 40 dB N Coupler From 800 MHz to 4.2 GHz Rated to 200 Watts from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

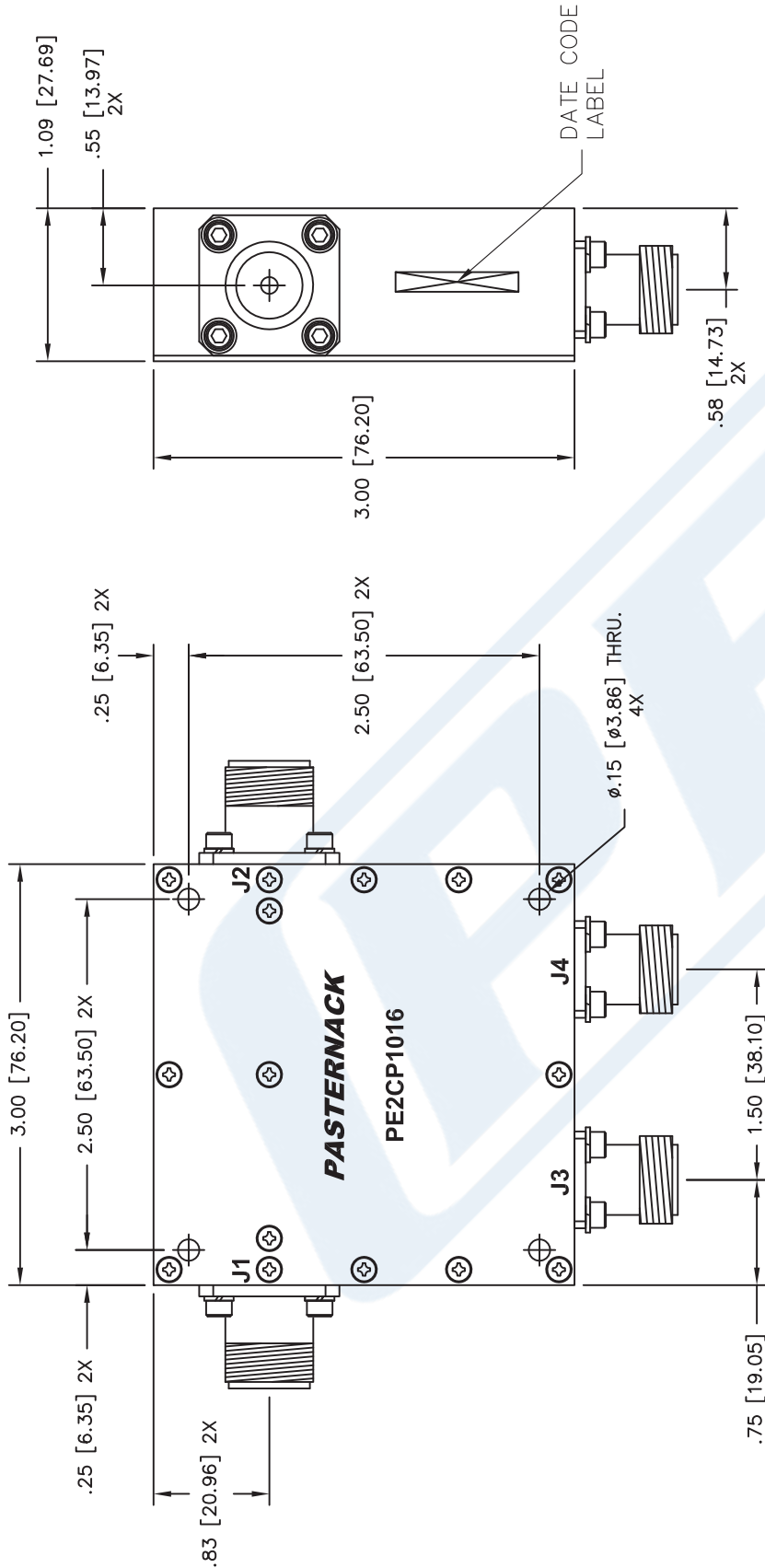
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Dual Directional 40 dB N Coupler From 800 MHz to 4.2 GHz Rated to 200 Watts PE2CP1016](https://www.pasternack.com/dual-directional-40-db-n-coupler-800-mhz-4.2-ghz-200-watts-pe2cp1016-p.aspx)

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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. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

# PE2CP1016 CAD Drawing

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INPUT	OUTPUT	FORWARD COUPLING	REFLECTED COUPLING
J1	J2	J3	J4
J2	J1	J4	J3

TOLERANCE	.XX ±.02
	.XXX ±.005
	ANG. ±1/2°

\* THESE DIMENSIONS AND TOLERANCES SUPERSEDE NOTE #1 ON TITLE BLOCK.

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  
**PE2CP1016**

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CAD FILE 041015

SCALE N/A

SIZE A

2233