PASTERNACK®
THE ENGINEER'S RF SOURCE



Dual Directional 40 dB N Coupler From 500 MHz to 2.5 GHz Rated To 500 Watts

TECHNICAL DATA SHEET PE2CP1012

Configuration

Connector 1	N Female
Connector 2	N Female
Coupled Connectors	SMA Female
Design	Dual Directional Coupler

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.5		2.5	GHz
Directivity	20			dB
Impedance		50		Ohms
Insertion Loss			0.3	dB
Input Power			500	Watts
Input VSWR			1.25:1	
Coupling Value		40		dB
Coupling Tolerance			± 1	dB
Coupling Flatness			±0.6	dB

Mechanical Specifications

Temperature

Operating Range	+85 to -55 deg C

Size

Length	2.5 in [63.5 mm]
Width/Dia.	1.11 in [28.19 mm]
Height	1.3 in [33.02 mm]
Housing Material and Plating	Aluminum Alloy, Chem Film

Connectors

Description	Connector 1	Connector 2	Coupled Connectors
Type	N Female	N Female	SMA Female

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

RoHS Compliant

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 500 MHz to 2.5 GHz Rated To 500 Watts PE2CP1012

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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Dual Directional 40 dB N Coupler From 500 MHz to 2.5 GHz Rated To 500 Watts from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave 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 40 dB N Coupler From 500 MHz to 2.5 GHz Rated To 500 Watts PE2CP1012

URL: http://www.pasternack.com/dual-directional-40-db-n-coupler-500-mhz-2.5-ghz-500-watts-pe2cp1012-p.aspx

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.

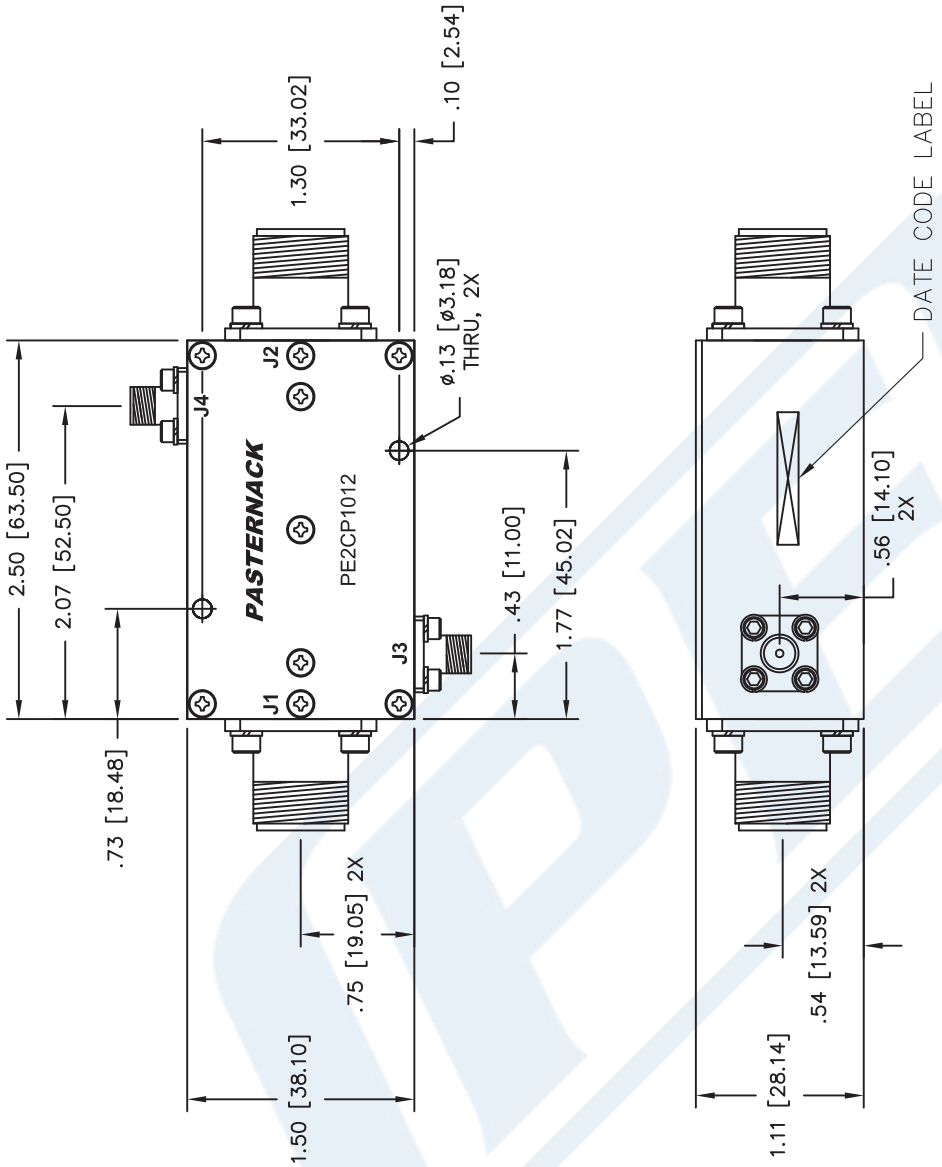
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PE2CP1012 CAD Drawing

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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
PE2CP1012

FSCM NO. 53919	CAD FILE 041015	SCALE N/A	SIZE A	2233

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