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90 Degree SMA Hybrid From 4 GHz to 12.4 GHz Rated To 100 Watts

TECHNICAL DATA SHEET PE2059

90 Degree SMA Hybrid From 4 GHz to 12.4 GHz Rated To 100 Watts

Configuration

Connector 1	SMA Female
Connector 2	SMA Female
Connector 3	SMA Female
Connector 4	SMA Female
Design	90 Degrees Hybrid

Electrical Specifications

Frequency Range, GHz	4 to 12.4
Phase Difference, Degrees	90
Impedance, Ohms	50
Isolation, dB	15
Maximum Insertion Loss, dB	3.5
Maximum Input Power, Watts	100
Maximum Input VSWR	1.5:1
Phase Balance, Degrees	8
Peak Power, KWatts	2
Flatness, dB	1.6
Coupling Value, dB	3
Coupled Loss, dB	0.5
Frequency Sensitivity, dB	0.4

Mechanical Specifications

Size

Length, in [mm]	1.72 [43.69]
Width, in [mm]	1.35 [34.29]
Height, in [mm]	0.5 [12.7]

Connector 1

Type	SMA Female

Connector 2

Type	SMA Female

Connector 3

Type	SMA Female

Connector 4

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: 90 Degree SMA Hybrid From 4 GHz to 12.4 GHz Rated To 100 Watts PE2059

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 Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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Compliance Certifications (visit www.Pasternack.com for current document)

Plotted and Other Data

Notes: Values at 25 °C, sea level

90 Degree SMA Hybrid From 4 GHz to 12.4 GHz Rated To 100 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/hybrid-directional-3-db-sma-coupler-4-12.4-ghz-20-watts-pe2059-p.aspx

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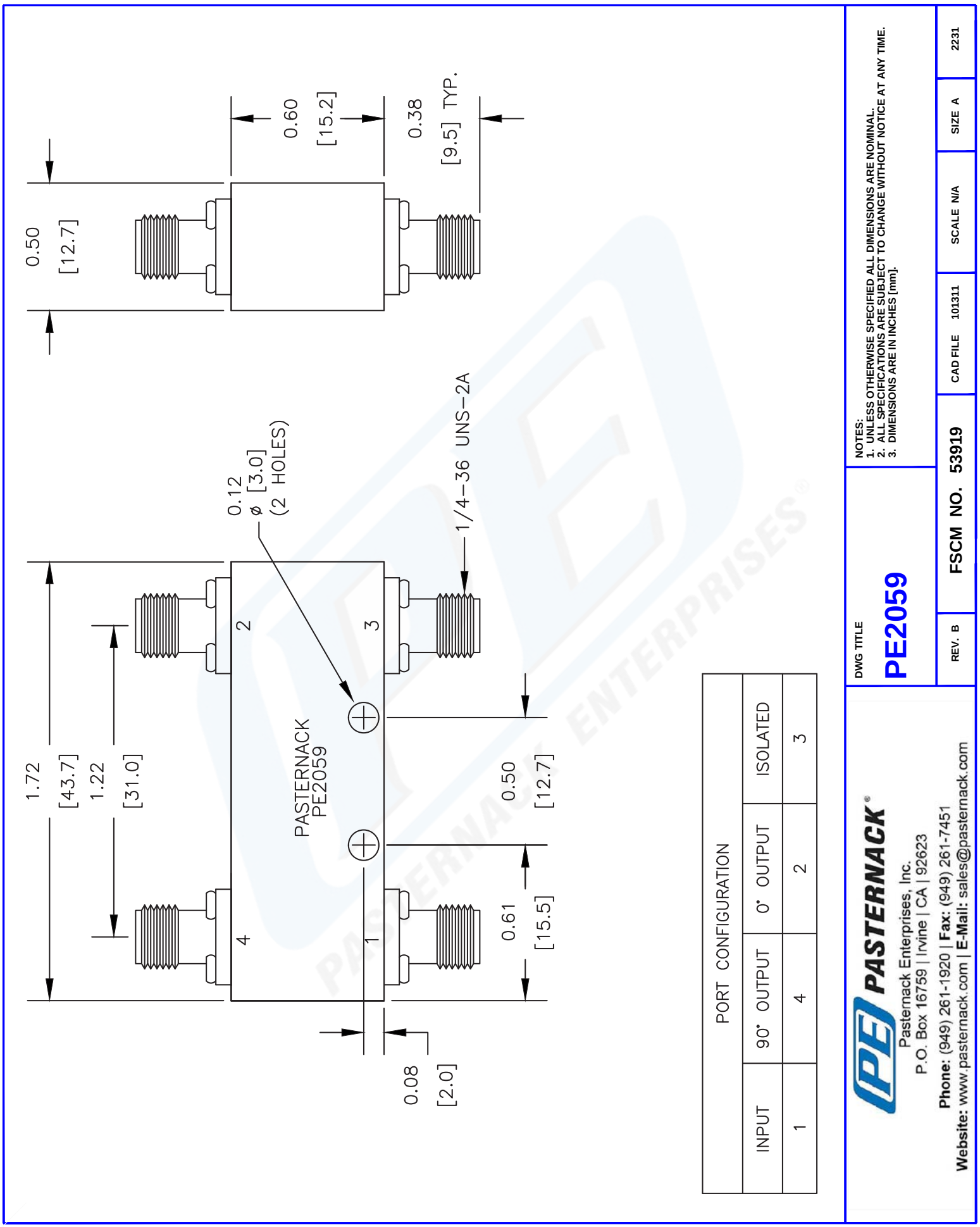
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PE2059 CAD Drawing

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PORT CONFIGURATION			
INPUT	90° OUTPUT	0° OUTPUT	ISOLATED
1	4	2	3

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 **PE2059**

REV. B | FSCM NO. 53919 | CAD FILE 101311 | SCALE N/A | SIZE A | 2231

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