



90 Degree SMA Hybrid From 1 GHz to 2 GHz Rated To 50 Watts

TECHNICAL DATA SHEET

PE2051

90 Degree SMA Hybrid From 1 GHz to 2 GHz Rated To 50 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	1 to 2
Phase Difference, Degrees	90
Impedance, Ohms	50
Isolation, dB	28
Maximum Insertion Loss, dB	3.2
Maximum Input Power, Watts	50
Maximum Input VSWR	1.15:1
Phase Balance, Degrees	3
Peak Power, KWatts	3
Flatness, dB	1.2
Coupling Value, dB	3
Coupled Loss, dB	0.2
Frequency Sensitivity, dB	0.5

Mechanical Specifications

Size

Length, in [mm]	1.78 [45.21]
Width, in [mm]	1.25 [31.75]
Height, in [mm]	0.38 [9.65]

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 1 GHz to 2 GHz Rated To 50 Watts PE2051](#)

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.





90 Degree SMA Hybrid From 1 GHz to 2 GHz Rated To 50 Watts

TECHNICAL DATA SHEET

PE2051

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 1 GHz to 2 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: [90 Degree SMA Hybrid From 1 GHz to 2 GHz Rated To 50 Watts PE2051](http://www.pasternack.com/hybrid-directional-3-db-sma-coupler-1-2-ghz-50-watts-pe2051-p.aspx)

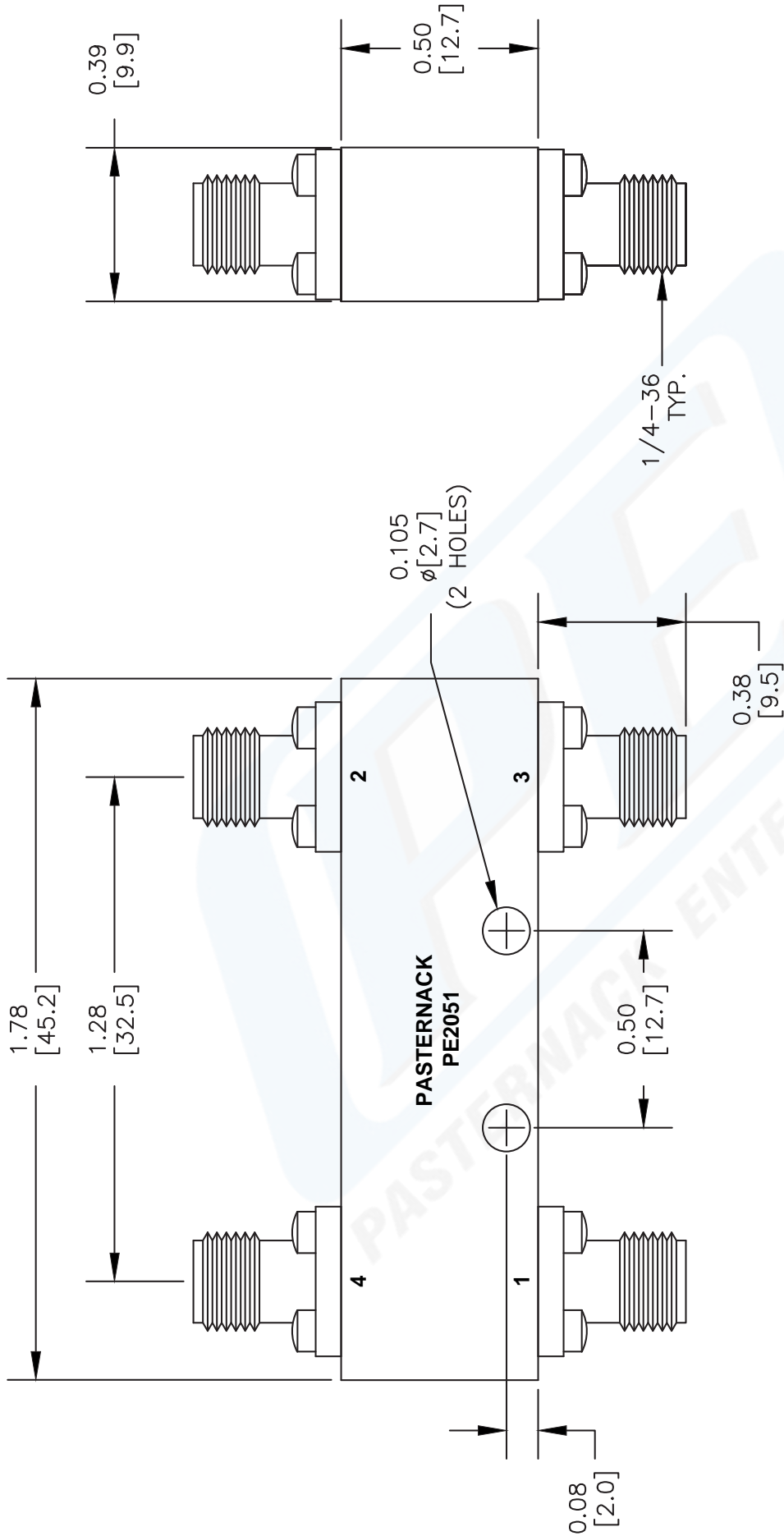
URL: <http://www.pasternack.com/hybrid-directional-3-db-sma-coupler-1-2-ghz-50-watts-pe2051-p.aspx>

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.



PE2051 CAD Drawing

90 Degree SMA Hybrid From 1 GHz to 2 GHz Rated To 50 Watts



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
PE2051

REV.A FSCM NO. 53919 CAD FILE 092807 SCALE N/A SIZE A 127

PE PASTERNAK
 Pasternack Enterprises, Inc.
 P.O. Box 16759 | Irvine | CA | 92623
 Phone: (949) 261-1920 | Fax: (949) 261-7451
 Website: www.pasternack.com | E-Mail: sales@pasternack.com