



## 90 Degree SMA Hybrid From 12 GHz to 18 GHz Rated To 40 Watts

### TECHNICAL DATA SHEET

PE2057

#### 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	12 to 18
Phase Difference, Degrees	90
Impedance, Ohms	50
Isolation, dB	15
Maximum Insertion Loss, dB	3.4
Maximum Input Power, Watts	40
Maximum Input VSWR	1.5:1
Phase Balance, Degrees	5
Peak Power, KWatts	1
Flatness, dB	0.5
Coupling Value, dB	3
Coupled Loss, dB	0.4
Frequency Sensitivity, dB	0.7

#### Mechanical Specifications

##### Size

Length, in [mm]	1 [25.4]
Width, in [mm]	1.33 [33.78]
Height, in [mm]	0.38 [9.65]

##### 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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##### Connector 4

Type	SMA Female
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#### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

REACH Compliant	06/18/2012
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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: [90 Degree SMA Hybrid From 12 GHz to 18 GHz Rated To 40 Watts PE2057](#)

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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**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

90 Degree SMA Hybrid From 12 GHz to 18 GHz Rated To 40 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.

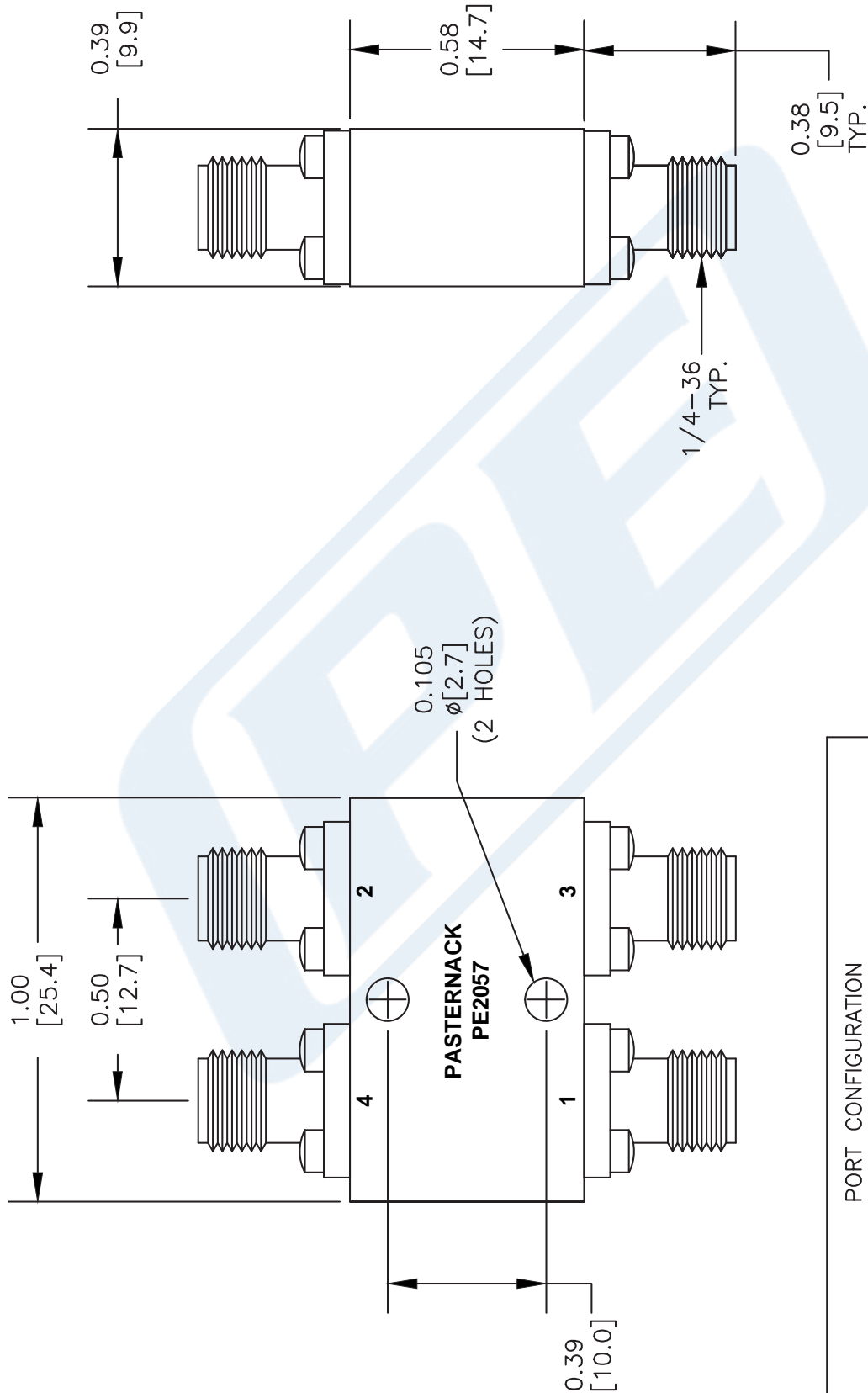
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [90 Degree SMA Hybrid From 12 GHz to 18 GHz Rated To 40 Watts PE2057](http://www.pasternack.com/hybrid-directional-3-db-sma-coupler-12-18-ghz-40-watts-pe2057-p.aspx)

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# PE2057 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  
**PE2057**

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SIZE A

SCALE N/A

CAD FILE 092607

REV. A FSCM NO. 53919