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PASTERNACK®
THE ENGINEER'S RF SOURCE



4 Way SMA Wilkinson Power Divider From 500 MHz to 1,000 MHz Rated at 30 Watts

Power Dividers Technical Data Sheet PE2009

Features

- 4-Way Power Divider
- High Power Wilkinson Design
- 500 to 1,000 MHz Frequency Range
- Max Power 30 Watts (CW)
- Insertion Loss < 0.4 dB
- Isolation > 20 dB

Applications

- Test and Measurement
- Military Communications
- Commercial Communications
- Wireless Communications
- SATCOM

Description

Pasternack carries a wide selection of power dividers to fit your needs. These components are essential in many systems, allowing the combination of multiple signals or splitting of a single signal into multiple signals with equal magnitude and phase. Pasternack's resistive and Wilkinson power dividers come with excellent performance featuring minimal loss, high isolation and low VSWR. They are available in both narrow and broad bandwidths with a variety of connector types such as 2.92mm, BNC, N and SMA.

The PE2009 is a 4-way high power Wilkinson power divider that operates from 500 to 1,000 MHz and can handle up to 30 Watts (CW) with 0.4 dB max insertion loss and 20 dB min isolation. The package interface uses SMA female connectors and is REACH and RoHS compliant.

Electrical Specifications

Design	Wilkinson
Number of Output Ports	4

Description	Minimum	Typical	Maximum	Units
Frequency Range	500		1,000	MHz
Impedance		50		Ohms
Input VSWR			1.3:1	
Output VSWR			1.3:1	
Insertion Loss			0.4	dB
Isolation	20			dB
Input Power (CW)			30	Watts

Electrical Specification Notes:
Max input power rated for load VSWR of 1.25:1 or better.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 4 Way SMA Wilkinson Power Divider From 500 MHz to 1,000 MHz Rated at 30 Watts PE2009

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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Power Dividers Technical Data Sheet PE2009

Mechanical Specifications

Size

Length	3 in [76.2 mm]
Width	2.5 in [63.5 mm]
Height	0.38 in [9.65 mm]
Weight	0.233 lbs [105.69 g]

Configuration

Package Type	Connectorized
Input Connector	SMA Female
Output Connectors	SMA Female

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

RoHS Compliant	
REACH Compliant	12/17/2015

Plotted and Other Data

Notes:

4 Way SMA Wilkinson Power Divider From 500 MHz to 1,000 MHz Rated at 30 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: 4 Way SMA Wilkinson Power Divider From 500 MHz to 1,000 MHz Rated at 30 Watts PE2009

URL: http://www.pasternack.com/4-way-sma-reactive-power-divider-500-mhz-1000-mhz-10-watts-pe2009-p.aspx

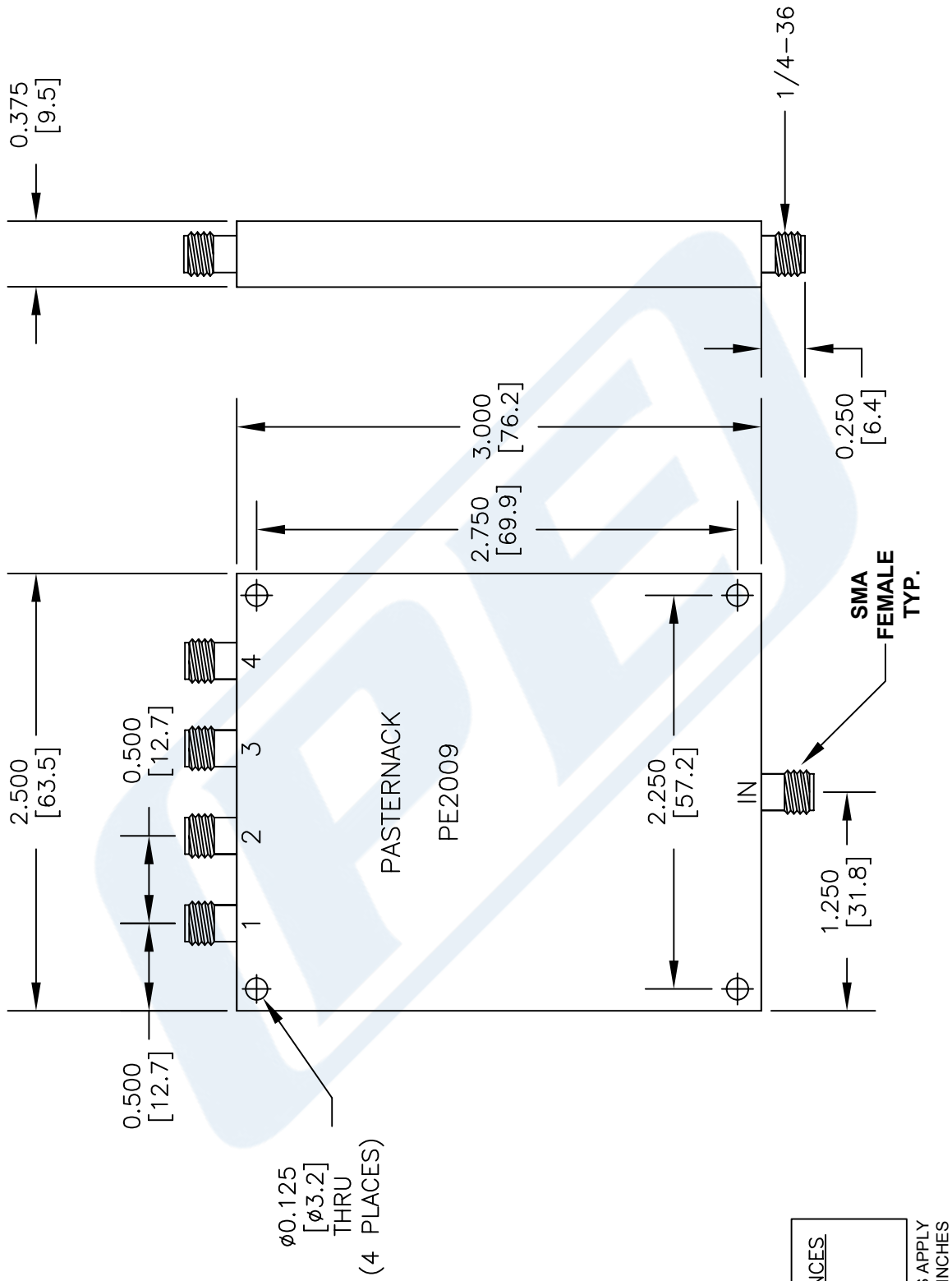
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PE2009 CAD Drawing

4 Way SMA Wilkinson Power Divider From 500 MHz to 1,000 MHz Rated at 30 Watts



STANDARD TOLERANCES
.X ±0.2
.XX ±0.1
.XXX ±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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	CAD FILE	040116	SCALE N/A	SIZE A	3045
PE2009	FSCM NO.	53919			

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