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PASTERNACK®
THE ENGINEER'S RF SOURCE



4 Way SMA Wilkinson Power Divider From 1 GHz to 2 GHz Rated at 10 Watts

Power Dividers Technical Data Sheet PE2012

Features

- 4-Way Power Divider
- Wilkinson Design
- 1 to 2 GHz Frequency Range
- Max Power 10 Watts (CW)
- Insertion Loss < 0.6 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 PE2012 is a 4-way Wilkinson power divider that operates from 1 to 2 GHz and can handle up to 10 Watts (CW) with 0.6 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	1		2	GHz
Impedance		50		Ohms
Input VSWR			1.6:1	
Output VSWR			1.6:1	
Insertion Loss			0.6	dB
Isolation	20			dB
Amplitude Balance			0.2	dB
Phase Balance			4	Degrees
Input Power (CW)			10	Watts

Electrical Specification Notes:
Max input power rated for load VSWR better than 2.0:1.

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 1 GHz to 2 GHz Rated at 10 Watts PE2012

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Power Dividers Technical Data Sheet PE2012

Mechanical Specifications

Size

Length	2.75 in [69.85 mm]
Width	2.5 in [63.5 mm]
Height	0.38 in [9.65 mm]
Weight	0.316 lbs [143.34 g]

Configuration

Package Type	Connectorized
Input Connector	SMA Female
Input Connector Specification	MIL-STD-348
Output Connectors	SMA Female
Output Connectors Specification	MIL-STD-348

Environmental Specifications

Temperature

Operating Range	-55 to +80 deg C

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 1 GHz to 2 GHz Rated at 10 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 1 GHz to 2 GHz Rated at 10 Watts PE2012

URL: http://www.pasternack.com/4-way-sma-reactive-power-divider-1-ghz-2-ghz-10-watts-pe2012-p.aspx

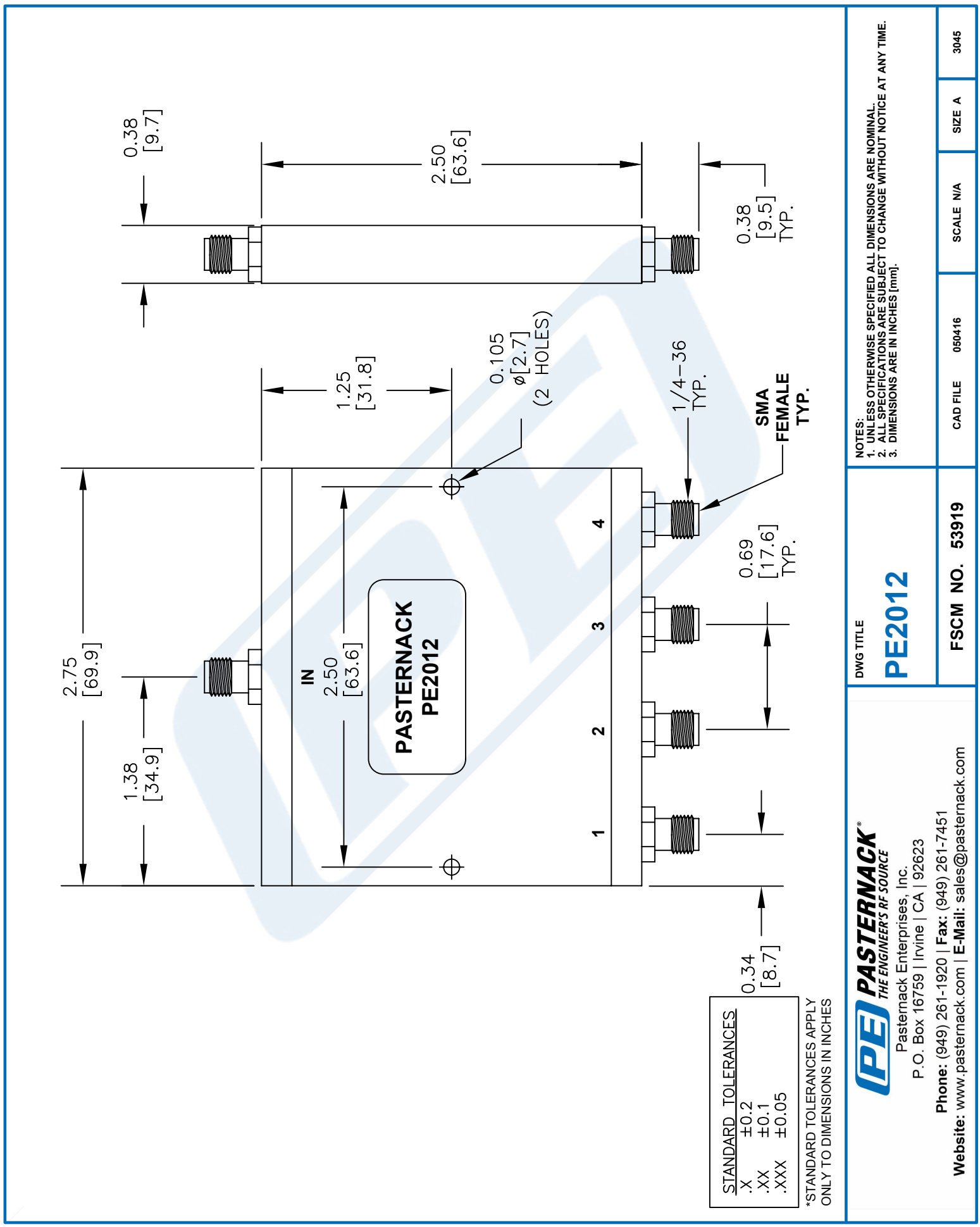
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PE2012 CAD Drawing

4 Way SMA Wilkinson Power Divider From 1 GHz to 2 GHz Rated at 10 Watts



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Artisan Technology Group is an independent supplier of quality pre-owned equipment

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