PASTERNACK
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2 Way BNC Power Divider from 10 MHz to 1 GHz Rated at 1 Watt

Power Dividers Technical Data Sheet PE2003

Features

- 2-Way Power Divider
- Wilkinson Design
- 10 to 1,000 MHz Frequency Range
- Max Power 1 Watt (CW)
- Insertion Loss < 1.5 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 PE2003 is a 2-way wilkinson power divider that operates from 10 to 1,000 MHz and can handle up to 1 Watt (CW) with 1.5 dB max insertion loss and 20 dB min isolation. The package interface uses BNC female connectors and is REACH and RoHS compliant.

Electrical Specifications

Design	Wilkinson
Number of Output Ports	2

Description	Minimum	Typical	Maximum	Units
Frequency Range	10		1,000	MHz
Impedance		50		Ohms
Input VSWR			1.5:1	
Output VSWR			1.5:1	
Insertion Loss			1.5	dB
Isolation	20			dB
Amplitude Balance			0.3	dB
Phase Balance			3	Degrees
Input Power (CW)			1	Watt

Electrical Specification Notes:
Max input power rated for load VSWR better than 1.20:1.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 2 Way BNC Power Divider from 10 MHz to 1 GHz Rated at 1 Watt PE2003

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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2 Way BNC Power Divider from 10 MHz to 1 GHz Rated at 1 Watt

Mechanical Specifications

Size

Length	1.75 in [44.45 mm]
Width	1.67 in [42.42 mm]
Height	0.93 in [23.62 mm]
Weight	0.2326 lbs [105.51 g]

Configuration

Package Type	Connectorized
Input Connector	BNC Female
Output Connectors	BNC Female

Environmental Specifications

Temperature

Operating Range	-25 to +80 deg C
Storage Range	-55 to +150 deg C
Humidity	MIL-STD-202, Method 106 (90% relative humidity, +65°C)
Shock	MIL-STD-202, Method 213/I (100 G's, 6 ms)
Vibration	MIL-STD-202, Method 204/D (10 to 2,000 Hz, 20 G's, 12 hours)
Altitude	MIL-STD-202, Method 105/E (150,000 feet)
Thermal Shock	MIL-STD-202, Method 107/B (-55°C to +85°C)

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

2 Way BNC Power Divider from 10 MHz to 1 GHz Rated at 1 Watt from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: https://www.pasternack.com/2-way-bnc-power-divider-1000-mhz-pe2003-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. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

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PE2003 CAD Drawing

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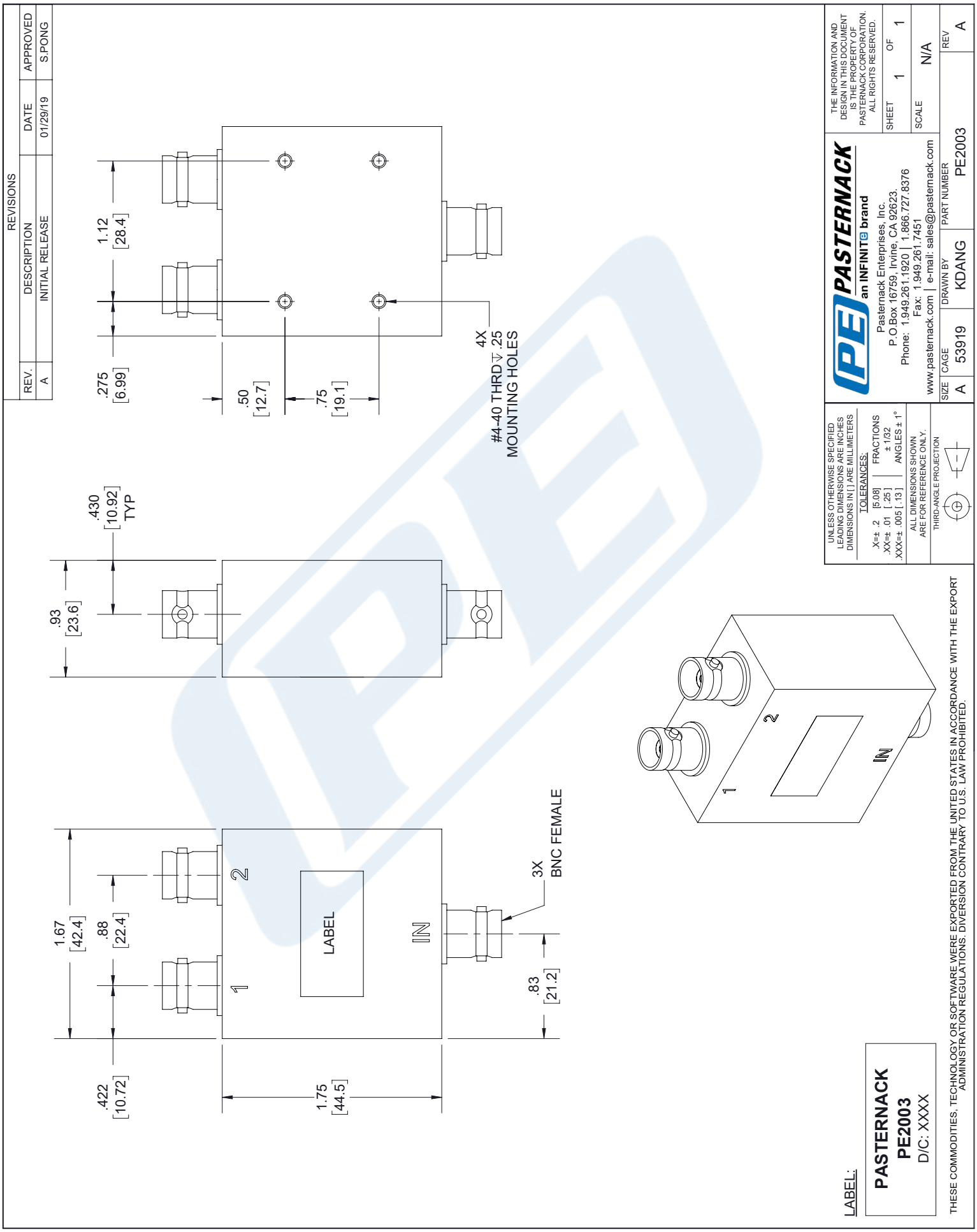

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