



2 Way 2.92mm Resistive Power Divider From DC to 26.5 GHz Rated at 1 Watt

Power Dividers Technical Data Sheet

PE2083

Features

- 2-Way Power Divider
- Resistive Design
- DC to 26.5 GHz Frequency Range
- Insertion Loss 8.5 dB Typ
- Max Power 1 Watt (CW)

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 PE2083 is a 2-way resistive power divider that operates from DC to 26.5 GHz and can handle up to 1 Watt (CW) with 8.5 dB typ insertion loss. The package interface uses 2.92mm female connectors and is REACH and RoHS compliant.

Electrical Specifications

Design	Resistive
Number of Output Ports	2

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		26.5	GHz
Impedance		50		Ohms
Input VSWR			1.4:1	
Insertion Loss		8.5		dB
Amplitude Balance		1		dB
Phase Balance		±4		Degrees
Input Power (CW) derated linearly to 0W at +125°C			1	Watts

Electrical Specification Notes:
 Insertion loss includes splitting loss.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2 Way 2.92mm Resistive Power Divider From DC to 26.5 GHz Rated at 1 Watt PE2083](#)



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Mechanical Specifications

Size

Length	0.5 in [12.7 mm]
Width	0.5 in [12.7 mm]
Height	0.38 in [9.65 mm]
Weight	0.037 lbs [16.78 g]

Housing Material and Plating Passivated Stainless Steel

Configuration

Package Type	Connectorized
Input Connector	2.92mm Female
Output Connectors	2.92mm Female

Mechanical Specification Notes:

2.92mm connectors mate both electrically and mechanically with all 3.5mm and SMA connectors.

Environmental Specifications

Temperature

Operating Range -65 to +125 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

2 Way 2.92mm Resistive Power Divider From DC to 26.5 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.

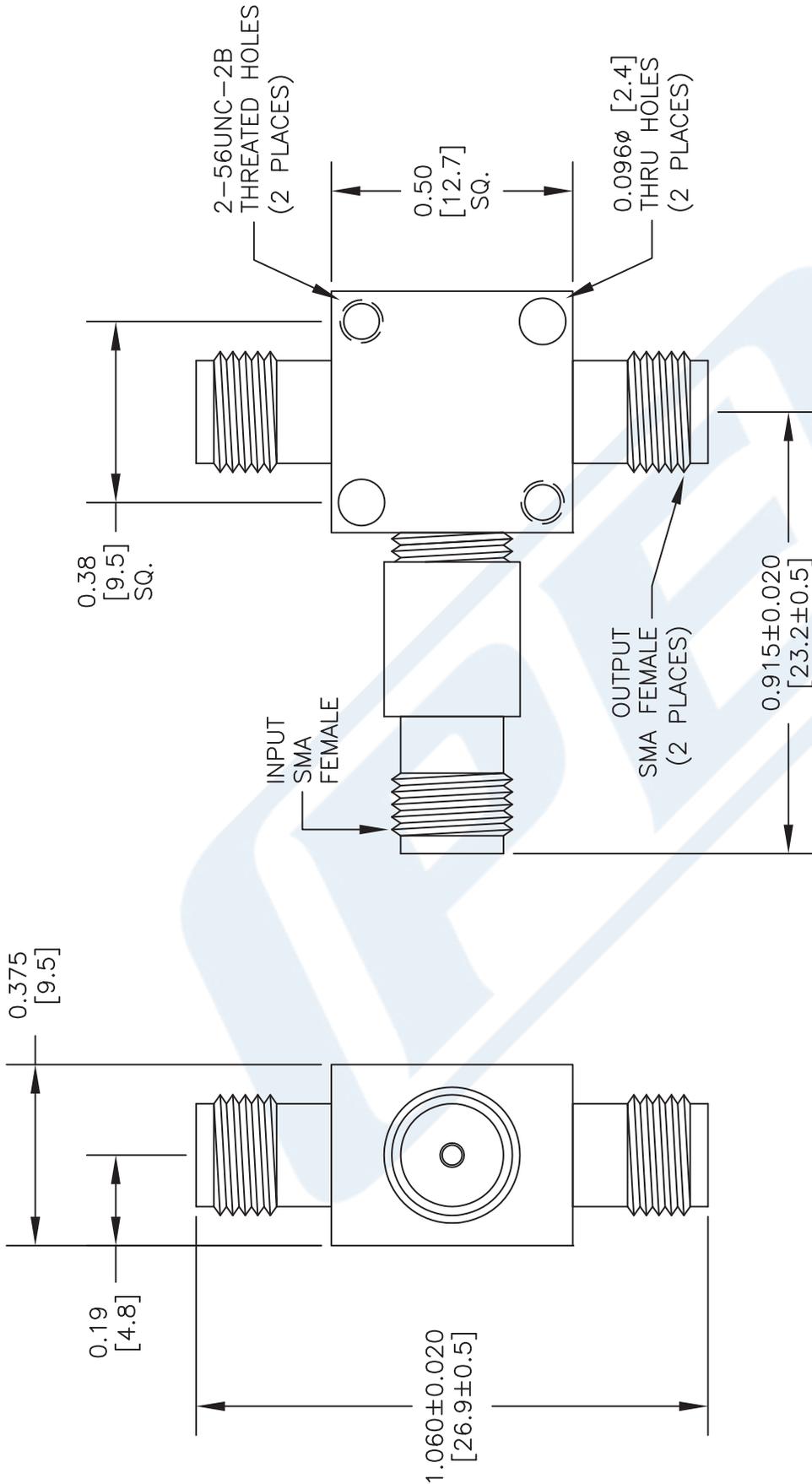
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URL: <https://www.pasternack.com/2-way-2.92mm-power-divider-dc-26.5-ghz-1-watts-pe2083-p.aspx>

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.

PE2083 CAD Drawing

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STANDARD TOLERANCES

DECIMAL ± 0.01
 .XX ± 0.005
 .XXX ± 0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



PASTERNAK
 THE ENGINEER'S RF SOURCE
 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

DWG TITLE

PE2083

CAGE CODE 53919

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].

CAD FILE 051217

SCALE N/A

SIZE A

2233