



2 Way SMA Power Divider from 800 MHz to 2.4 GHz Rated at 20 Watts

Power Dividers Technical Data Sheet

PE20DV008

Features

- 2-Way Power Divider
- Reactive Design
- 800 MHz to 2.4 GHz Frequency Range
- Max Power 20W (CW)
- 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 reactive 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. The PE20DV008 is a 2 way reactive power divider that operates from 800 MHz to 2.4 GHz and can handle up to 20 Watts (CW). This SMA power divider offers 20 dB min isolation and 1.3:1 max VSWR. The package interface uses SMA inputs on all of the ports.

Electrical Specifications

Design: Reactive
 Number of Output Ports: 2

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.8		2.4	GHz
Impedance		50		Ohms
Input VSWR			1.3:1	
Output VSWR			1.2:1	
Insertion Loss			3.4	dB
Isolation	20			dB
Amplitude Balance			±0.2	dB
Phase Balance			±2	Degrees
Input Power (CW)			20	Watts

Electrical Specification Notes:
 Values at +25°C, sea level.
 Insertion loss includes 3dB theoretical 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 SMA Power Divider from 800 MHz to 2.4 GHz Rated at 20 Watts PE20DV008](#)



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Mechanical Specifications

Size

Length	1.38 in [35.05 mm]
Width	1.1 in [27.94 mm]
Height	0.39 in [9.91 mm]
Weight	0.053 lbs [24.04 g]

Configuration

Input Connector	SMA Female
Output Connectors	SMA Female

Environmental Specifications

Temperature

Operating Range	-55 to +125 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

2 Way SMA Power Divider from 800 MHz to 2.4 GHz Rated at 20 Watts 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2 Way SMA Power Divider from 800 MHz to 2.4 GHz Rated at 20 Watts PE20DV008](#)

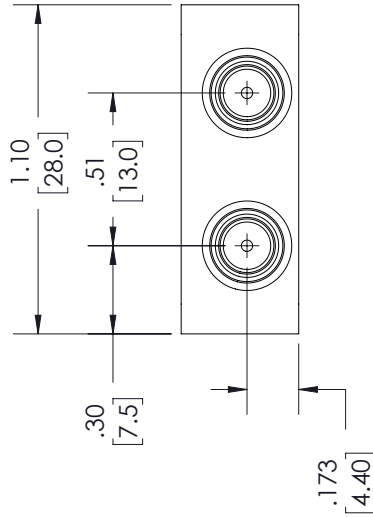
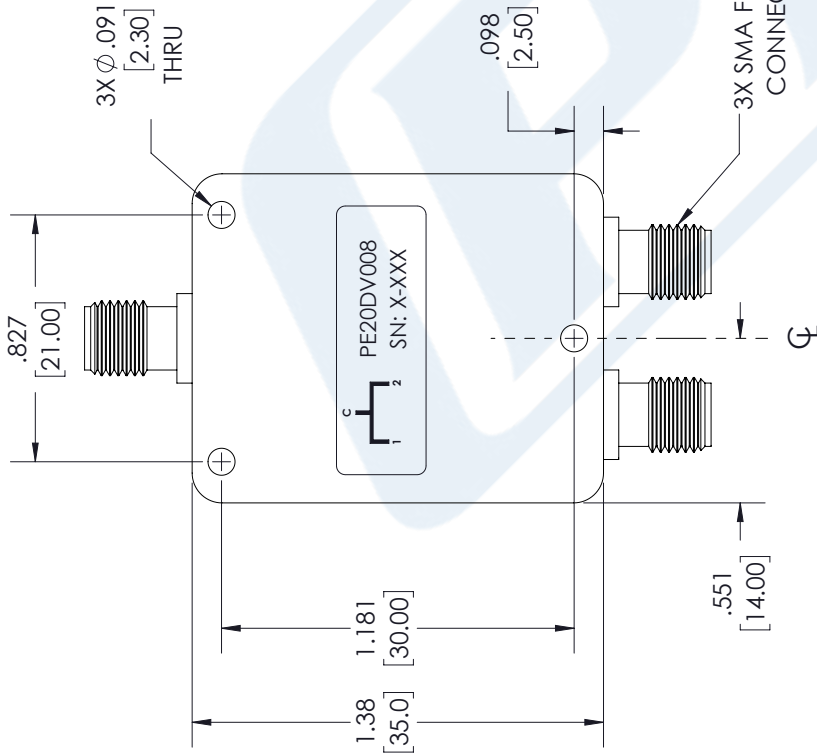
URL: <https://www.pasternack.com/2-way-sma-power-divider-2.4-ghz-pe20dv008-p.aspx>

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.

PE20DV008 CAD Drawing

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	PCR	03/24/2022	SPONG



UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE IN INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

.X = ±.2 [5.08] | FRACTIONS ± 1/32
.XX = ±.02 [.51] | ANGLES ± 1°
.XXX = ±.005 [.13]

CABLE LENGTH (L) TOLERANCES:
L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5% L / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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DESIGN IN THIS DOCUMENT
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SCALE N/A

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SIZE A CAGE CODE 53919 DRAWN BY BPUCHASKI ITEM NO. PE20DV008 REV B