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2 Way 2.92mm Power Divider from 1 GHz to 26.5 GHz Rated at 20 Watts



Power Dividers Technical Data Sheet PE20DV1058

Features

- 2-Way Power Divider
- High Power Wilkinson Design
- 0 to 26.5 GHz Frequency Range
- Max Power 20 Watts (CW)
- Insertion Loss < 1.2 dB
- Isolation > 16 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 PE20DV1058 is a 2-way high power Wilkinson power divider that operates from 0 to 26.5 GHz and can handle up to 20 Watts (CW) with 1.2 dB max insertion loss and 16 dB min isolation. The package interface uses 2.92mm female connectors and is REACH and RoHS compliant.

Electrical Specifications

Design	Wilkinson
Number of Output Ports	2

Description	Minimum	Typical	Maximum	Units
Frequency Range	1		26.5	GHz
Impedance		50		Ohms
Input VSWR		1.6:1	1.7:1	
Output VSWR		1.5:1	1.6:1	
Insertion Loss		0.8	1.2	dB
Isolation	16	18		dB
Amplitude Balance		±0.4	±0.5	dB
Phase Balance		±5	±6	Degrees
Input Power (CW)			20	Watts
Reverse Power (CW)			1	Watt
Input Power (Peak)			200	Watts

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 Power Divider from 1 GHz to 26.5 GHz Rated at 20 Watts PE20DV1058

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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Mechanical Specifications

Size

Length	3.19 in [81.03 mm]
Width	1.02 in [25.91 mm]
Height	0.39 in [9.91 mm]
Housing Material and Plating	Aluminum, Gold

Configuration

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

Environmental Specifications

Temperature

Operating Range	-45 to +85 deg C
Storage Range	-55 to +125 deg C
Humidity	100% RH at 35°C, 95% RH at 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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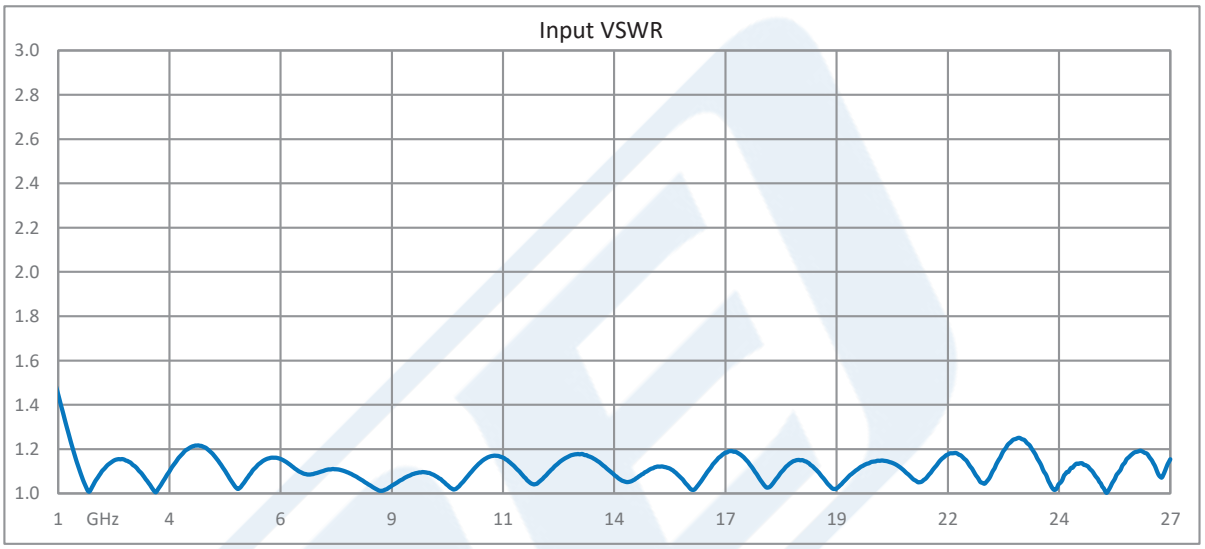
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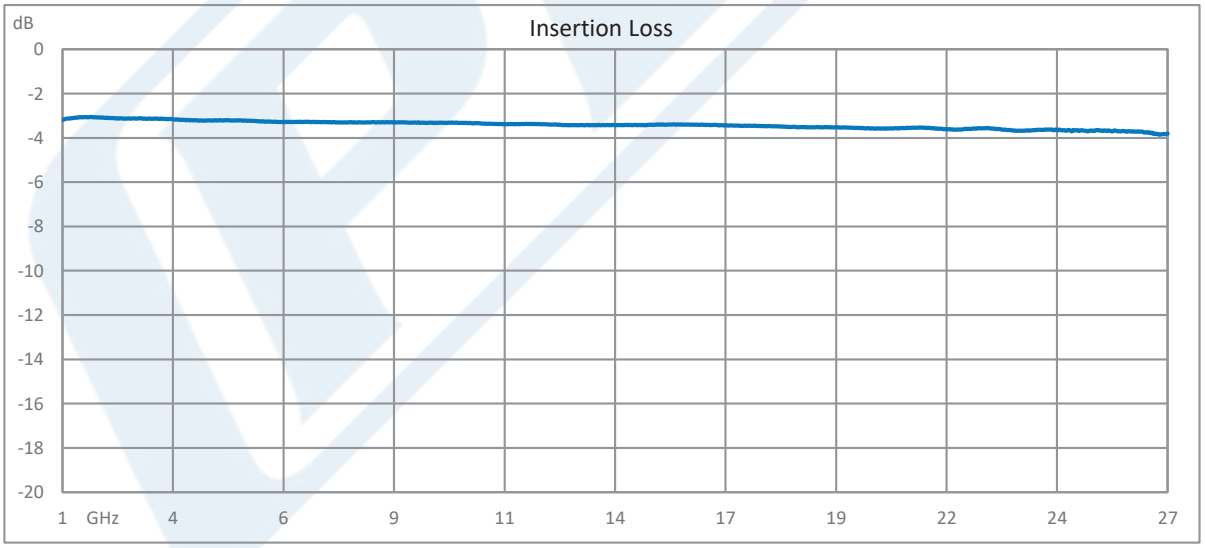


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Typical Performance Data





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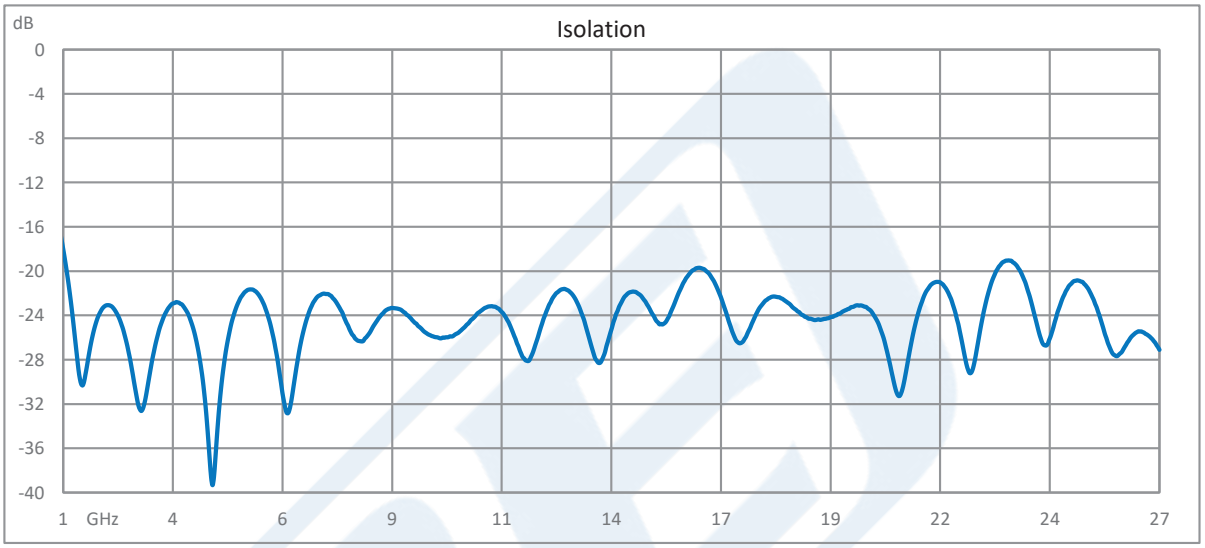
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2 Way 2.92mm Power Divider from 1 GHz to 26.5 GHz Rated at 20 Watts from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of 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 2.92mm Power Divider from 1 GHz to 26.5 GHz Rated at 20 Watts PE20DV1058

URL: https://www.pasternack.com/2-way-2.92mm-power-divider-26.5-ghz-pe20dv1058-p.aspx

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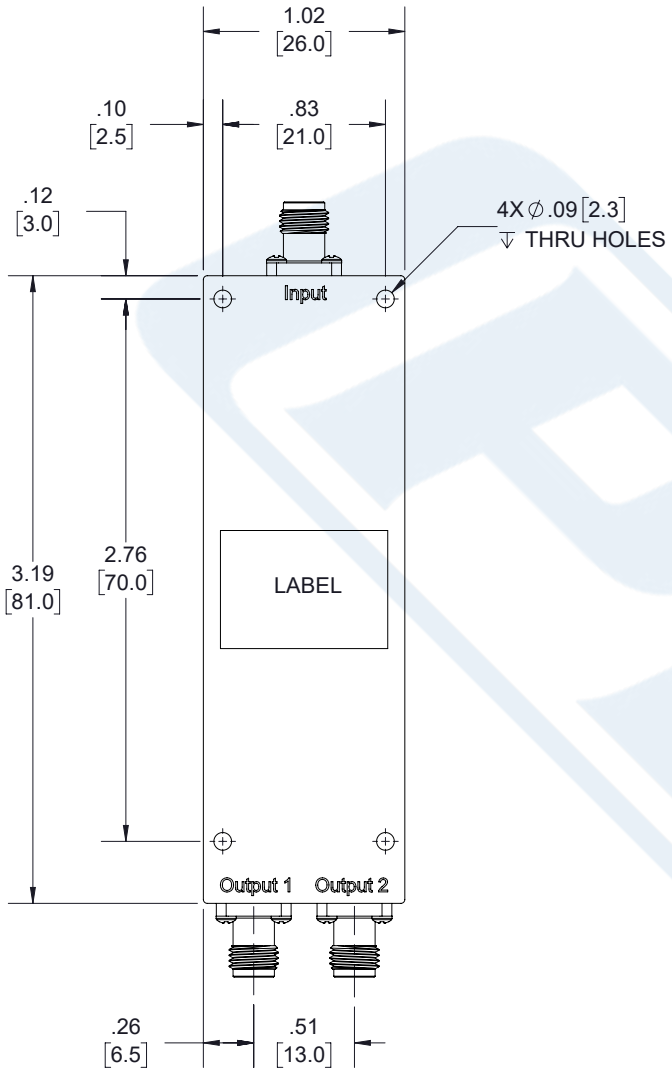
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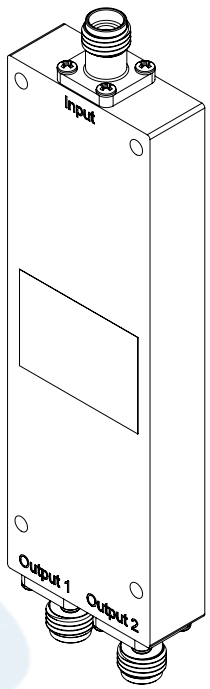
PE20DV1058 CAD Drawing

2 Way 2.92mm Power Divider from 1 GHz to 26.5 GHz Rated at 20 Watts

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	01/23/19	S.PONG







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TOLERANCES:

.X=± .2	[5.08]	FRACTIONS	± 1/32
.XX=± .01	[.25]	ANGLES	± 1°
.XXX=± .005	[.13]		

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

SIZE	CAGE	DRAWN BY	PART NUMBER	REV
A	53919	KDANG	PE20DV1058	A