



2 way N Power Divider from 1 MHz to 30 MHz Rated at 10 Watts

## Power Dividers Technical Data Sheet

**PE20DV1202**

### Features

- 2-Way Power Divider
- N Female Connectorized Design
- 1 to 30 MHz Frequency Range

- Max Power 10 Watts (CW)
- Insertion Loss < 0.3 dB
- Isolation > 25 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 PE20DV1202 is a 2-way power divider that operates from 1 to 30 MHz and can handle up to 10 Watts (CW) with 0.3 dB max insertion loss and 25 dB min isolation. The package interface uses N female connectors.

### Electrical Specifications

Number of Output Ports

2

Description	Minimum	Typical	Maximum	Units
Frequency Range	1		30	MHz
Impedance		50		Ohms
Input VSWR		1.2:1	1.3:1	
Output VSWR		1.25:1	1.3:1	
Insertion Loss		0.2	0.3	dB
Isolation	25	28		dB
Amplitude Balance			0.1	dB
Phase Balance			1	Degrees
Nominal Power Splitting		3		dB
Input Power (CW)			10	Watts
Reverse Power (CW)			1	Watt
Input Power (Peak)			100	Watts
1% Duty Cycle, 1us PW				

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2 way N Power Divider from 1 MHz to 30 MHz Rated at 10 Watts PE20DV1202](#)



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### Mechanical Specifications

#### Size

Length

1.95 in [49.53 mm]

Width

1.95 in [49.53 mm]

Height

0.936 in [23.77 mm]

Weight

0.17 lbs [77.11 g]

Housing Material and Plating

Aluminum

#### Configuration

Input Connector

N Female

Output Connectors

N Female

### Environmental Specifications

#### Temperature

Operating Range

-40 to +85 deg C

Storage Range

-50 to +105 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.

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

### Plotted and Other Data

Notes:

2 way N Power Divider from 1 MHz to 30 MHz 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 99.4% availability and are part of the broadest selection in the industry.

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URL: <https://www.pasternack.com/0-way-power-divider-30-mhz-pe20dv1202-p.aspx>

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# PE20DV1202 CAD Drawing

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