



8 Way SMA Power Divider from 2 GHz to 8 GHz Rated at 30 Watts

Power Dividers Technical Data Sheet

PE20DV004

Features

- 8-Way Power Divider
- Reactive Design
- 2 GHz to 8 GHz Frequency Range
- Max Power 30W (CW)
- Isolation > 17 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 PE20DV004 is an 8 way reactive power divider that operates from 2 to 8 GHz and can handle up to 30 Watts (CW). This SMA power divider offers 17 dB min isolation and 1.65:1 max VSWR. The package interface uses SMA inputs on all of the ports.

Electrical Specifications

Design: Reactive
Number of Output Ports: 8

Description	Minimum	Typical	Maximum	Units
Frequency Range	2		8	GHz
Impedance		50		Ohms
Input VSWR			1.65:1	
Output VSWR			1.35:1	
Insertion Loss			11	dB
Isolation	17			dB
Amplitude Balance			±0.7	dB
Phase Balance			±7	Degrees
Input Power (CW)			30	Watts

Electrical Specification Notes:
Values at +25°C, sea level.
Insertion loss includes 9dB theoretical loss.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [8 Way SMA Power Divider from 2 GHz to 8 GHz Rated at 30 Watts PE20DV004](#)



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Mechanical Specifications

Size

Length	4.26 in [108.2 mm]
Width	2.49 in [63.25 mm]
Height	0.4 in [10.16 mm]

Housing Material and Plating	Aluminum, Gray
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Configuration

Input Connector	SMA Female
Output Connectors	SMA Female

Environmental Specifications

Temperature

Operating Range	-55 to +85 deg C
Storage Range	-55 to +100 deg C

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

Plotted and Other Data

Notes:

8 Way SMA Power Divider from 2 GHz to 8 GHz Rated at 30 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: [8 Way SMA Power Divider from 2 GHz to 8 GHz Rated at 30 Watts PE20DV004](#)

URL: <https://www.pasternack.com/8-way-sma-power-divider-8-ghz-pe20dv004-p.aspx>

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