



2 Way SMA Resistive Power Divider From DC to 18 GHz Rated at 1 Watt

Power Dividers Technical Data Sheet

PE2068

Features

- 2-Way Power Divider
- Resistive Design
- DC to 18 GHz Frequency Range
- Insertion Loss 7.5 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 PE2068 is a 2-way resistive power divider that operates from DC to 18 GHz and can handle up to 1 Watt (CW) with 7.5 dB typ insertion loss. The package interface uses SMA connectors and is REACH and RoHS compliant.

Electrical Specifications

Design Resistive
Number of Output Ports 2

| Description | Minimum | Typical | Maximum | Units |
|-------------------|---------|---------|---------|---------|
| Frequency Range | DC | | 18 | GHz |
| Impedance | | 50 | | Ohms |
| Input VSWR | | | 1.3:1 | |
| Insertion Loss | | 7.5 | | dB |
| Amplitude Balance | | 0.5 | | dB |
| Phase Balance | | ±3 | | Degrees |
| Input Power (CW) | | | 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 SMA Resistive Power Divider From DC to 18 GHz Rated at 1 Watt PE2068](#)



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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 | 0.041 lbs [18.6 g] |

Configuration

| | |
|---------------------------------|---------------|
| Package Type | Connectorized |
| Input Connector | SMA Male |
| Input Connector Specification | MIL-STD-348 |
| Output Connectors | SMA Female |
| Output Connectors Specification | MIL-STD-348 |

Environmental Specifications

Temperature

| | |
|-----------------|-------------------|
| Operating Range | -65 to +125 deg C |
|-----------------|-------------------|

Compliance Certifications (visit www.Pasternack.com for current document)

| | |
|-----------------|------------|
| RoHS Compliant | |
| REACH Compliant | 12/17/2015 |

Plotted and Other Data

Notes:

2 Way SMA Resistive Power Divider From DC to 18 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% 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 Resistive Power Divider From DC to 18 GHz Rated at 1 Watt PE2068](http://www.Pasternack.com/2-way-sma-power-divider-dc-18-ghz-1-watts-pe2068-p.aspx)

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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.

