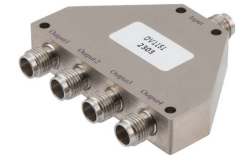


4 Way Power Divider 1.85mm Connectors to 70 GHz Rated at 1 Watt

Fairview Microwave 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. Fairview Microwave'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, 2.4mm, 1.85mm BNC, N and SMA.

The FMDV1151 is a 4-way power divider that operates from DC to 70 GHz and can handle up to 1 Watt (CW) with 17 dB max insertion loss and 12.5 dB typical isolation. The package interface uses 1.85mm female connectors.



Features:

- 4-Way Power Divider
- 1.85mm Female Connectorized Design
- DC to 70 GHz Frequency Range
- Max Power 1 Watt (CW)
- Insertion Loss < 17 dB
- Isolation 12.5 dB typical

Electrical Specifications

Number of Output Ports			4	
Description	Min	Typ	Max	Units
Frequency Range	DC		70	GHz
Impedance		50		Ohms
Input VSWR		1.7:1	2:1	
Output VSWR		2:1	3:1	
Insertion Loss		14	17	dB
Isolation		12.5		dB
Amplitude Balance		0.4	1	dB
Phase Balance		7	12	Degrees
Input Power (CW)			1	Watt
Input Power (Peak) 10% Duty Cycle 1us Pulse Width			10	Watts

Applications:

- Test and Measurement
- Military Communications
- Commercial Communications
- Wireless Communications
- SATCOM

Mechanical Specifications

Size	
Length	1.97 in [50.04 mm]
Width	1.64 in [41.66 mm]
Height	0.39 in [9.91 mm]
Weight	0.094 lbs [42.64 g]
Housing Material and Plating	Aluminum, Nickel
Configuration	
Package Type	Connectorized
Input Connector	1.85mm Female
Output Connectors	1.85mm 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

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Shock
Vibration
Altitude

20G for 11msec half sine wave, 3 axis both directions
25gRMS (15 degrees 2KHz) endurance, 1 hour per axis
30,000 ft. (Epoxy Sealed Controlled environment)

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

Plotted and Other Data

Notes:

4 Way Power Divider 1.85mm Connectors to 70 GHz Rated at 1 Watt from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [4 Way Power Divider 1.85mm Connectors to 70 GHz Rated at 1 Watt FMDV1151](#)

URL: <https://www.fairviewmicrowave.com/4-way-power-divider-1.85mm-70-ghz-fmdv1151-p.aspx>

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