

2 Way Power Divider SMA Interface from 350 MHz to 6 GHz Rated at 30 Watts

FMDV1053 is a passive 2 way RF Power Divider with 50 ohm SMA female connectors operating from .35 to 6 GHz, with a max input power of 30 watts. The FMDV1053 has less than 20 dB Isolation, 0.8 dB Maximum Insertion loss and a Max VSWR of 1.4:1; along with a phase balance of ± 3 degrees and an amplitude balance of ± 0.2 dB. The RF Divider operates in a temperature range from -45°C to 85°C and is rated for Humidity, Shock, Vibration, and Altitude. Power dividers have many applications and so perform many valuable functions within the RF/Microwave world. Examples are antenna beam forming, taps for cable distributed systems combining feeds to and from antennae.

Electrical Specifications

Design	Wilkinson			
Number of Output Ports	2			
Description	Min	Typ	Max	Units
Frequency Range	0.35		6	GHz
Impedance		50		Ohms
Input VSWR		1.3:1	1.4:1	
Insertion Loss		0.6	0.8	dB
Isolation	18	20		dB
Amplitude Balance		± 0.1	± 0.2	dB
Phase Balance		± 2	± 3	Degrees
Input Power (CW)			30	Watts
Reverse Power (CW)			2	Watts
Input Power (Peak)			300	Watts

Mechanical Specifications

Size	
Length	5.6 in [142.24 mm]
Width	0.98 in [24.89 mm]
Height	0.39 in [9.91 mm]
Weight	0.1915 lbs [86.86 g]
Finish	Gray
Housing Material and Plating	Aluminum

Configuration

Package Type	Connectorized
Input Connector	SMA Female
Output Connectors	SMA 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



Features:

- Ultra Wide Band Operation
- 30 watt CW Rating
- 350 MHz to 6 GHz
- SMA Female Connector
- Meets Standards for Humidity, Shock, Vibration, Altitude

Applications:

- Communications Systems
- Amplifier Systems
- Amplifier Power Dividing
- Aerospace/Aviation
- Defense Applications

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Shock
Vibration
Altitude

20G for 11msec half sine wave, 3 axis both directions
25g RMS (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:

2 Way Power Divider SMA Interface from 350 MHz to 6 GHz Rated at 30 Watts 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: [2 Way Power Divider SMA Interface from 350 MHz to 6 GHz Rated at 30 Watts FMDV1053](#)

URL: <https://www.fairviewmicrowave.com/2-way-power-divider-sma-6-ghz-fmdv1053-p.aspx>

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