

2 Way Power Divider BNC Interface to 1,000 MHz Rated at 1 Watts

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, BNC, N and SMA.

The FMDV2003 is a 2-way wilkinson power divider that operates from 10 to 1,000 MHz and can handle up to 1 Watt (CW) with 1.5 dB max insertion loss and 20 dB min isolation. The package interface uses BNC female connectors and is REACH and RoHS compliant.

Electrical Specifications

Design: Wilkinson
Number of Output Ports: 2

Description	Min	Typ	Max	Units
Frequency Range	10		1,000	MHz
Impedance		50		Ohms
Input VSWR			1.5:1	
Output VSWR			1.5:1	
Insertion Loss			1.5	dB
Isolation	20			dB
Amplitude Balance			0.3	dB
Phase Balance			3	Degrees
Input Power (CW)			1	Watt

Electrical Specification Notes:
Max input power rated for load VSWR better than 1.20:1.

Mechanical Specifications

Size
 Length: 1.75 in [44.45 mm]
 Width: 1.67 in [42.42 mm]
 Height: 0.93 in [23.62 mm]
 Weight: 0.2326 lbs [105.51 g]

Configuration
 Package Type: Connectorized
 Input Connector: BNC Female
 Output Connectors: BNC Female

Environmental Specifications

Temperature
 Operating Range: -25 to +80 deg C
 Storage Range: -55 to +150 deg C



Features:

- 2-Way Power Divider
- Wilkinson Design
- 10 to 1,000 MHz Frequency Range
- Max Power 1 Watt (CW)
- Insertion Loss < 1.5 dB
- Isolation > 20 dB

Applications:

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

Fairview Microwave
 301 Leora Ln., Suite 100
 Lewisville, TX 75056
 Tel: 1-800-715-4396 / (972) 649-6678
 Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Humidity	MIL-STD-202, Method 106 (90% relative humidity, +65°C)
Shock	MIL-STD-202, Method 213/I (100 G's, 6 ms)
Vibration	MIL-STD-202, Method 204/D (10 to 2,000 Hz, 20 G's, 12 hours)
Altitude	MIL-STD-202, Method 105/E (150,000 feet)
Thermal Shock	MIL-STD-202, Method 107/B (-55°C to +85°C)

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

Plotted and Other Data

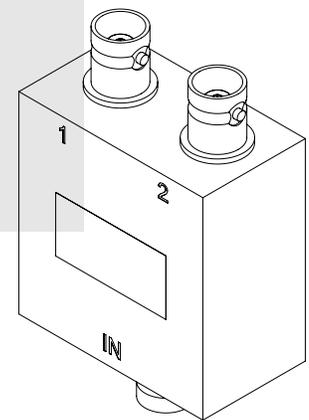
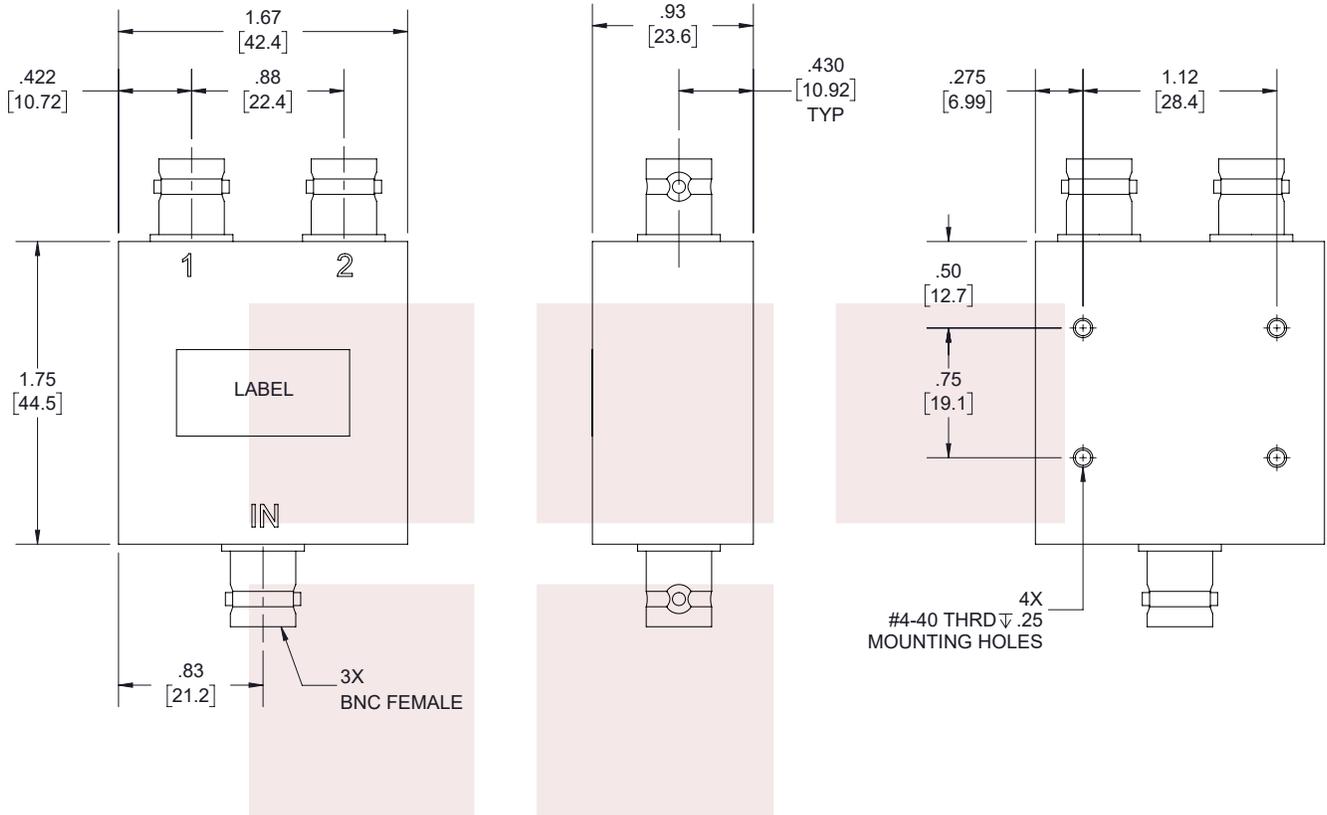
Notes:

2 Way Power Divider BNC Interface to 1,000 MHz Rated at 1 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 Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [2 Way Power Divider BNC Interface to 1,000 MHz Rated at 1 Watts FMDV2003](#)

URL: <https://www.fairviewmicrowave.com/2-way-power-divider-bnc-1000-mhz-fmdv2003-p.aspx>

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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



LABEL

FAIRVIEW MICROWAVE
FMDV2003
D/C: XXXX

STANDARD TOLERANCES

.X ± 0.2
.XX ± 0.01
.XXX ± 0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

TITLE 2 Way Power Divider BNC Interface to 1,000 MHz Rated at 1 Watts	DWG NO FMDV2003		CAGE CODE 3FKR5			
	CAD FILE 01/29/19	SHEET 1 OF 1	SCALE N/A	SIZE A	7361	