

2 Way Power Divider N Connectors Wilkinson From 617 MHz to 2.7 GHz Rated at 30 Watts

The FMDV1032 is a 2 way Wilkinson Power Divider with N Type Female connectors rated to 30 watts CW. Low Passive Intermodulation (PIM) of -155 dBc with an Insertion loss as low as 0.3 dB.

Fairview Microwave's family of Low PIM Power Dividers are designed without solder joints and a unique construction allows for exceptional performance within the 617 to 2,700 MHz frequency range. They are offered in a range of output port options to allow flexibility in the design of your DAS system. Especially designed and manufactured for the rigors of low PIM systems, this family of Tappers is rated at an average power of 300 watts CW, and have PIM performance of -160 dBc or better. They can be used indoor or outdoor as they meet the moisture requirements of IP67. They are available in four different connector types: N, DIN 7-16, 4.3-10, and Mini DIN 4.1/9.5.

Electrical Specifications

Design	Wilkinson
Number of Output Ports	2

Description	Min	Typ	Max	Units
Frequency Range	0.617		2.7	GHz
Impedance		50		Ohms
Passive Intermodulation 2 x 43 dBm carrier			-155	dBc
Input Power (CW)			30	Watts
Reverse Power (CW)			0.4	Watts

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Freq. Range	0.617-0.698	0.698-2.7				GHz
In VSWR, Max	1.3:1	1.2:1				
Out VSWR, Max	1.2:1	1.2:1				
IL, Max	0.3	0.5				dB
Isolation, Min	21	22				dB

Mechanical Specifications

Housing Material and Plating	Aluminum, Chem Film
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Configuration

Package Type	Connectorized
Input Connector	N Female
Output Connectors	N Female
Ingress Protection (IP) Rating	IP67



Features:

- Low PIM (-155 dBc)
- High Power 30 watt CW Rating
- 617 to 2,700 MHz
- N Type Female Connector
- Mounting Bracket

Applications:

- Indoor/Outdoor Use (IP67)
- Base Station
- 4G/LTE/AWS/PCS/PMR/UMTS/TETRA/WiFi
- Distributed Antenna Systems (DAS)
- Wireless Infrastructure

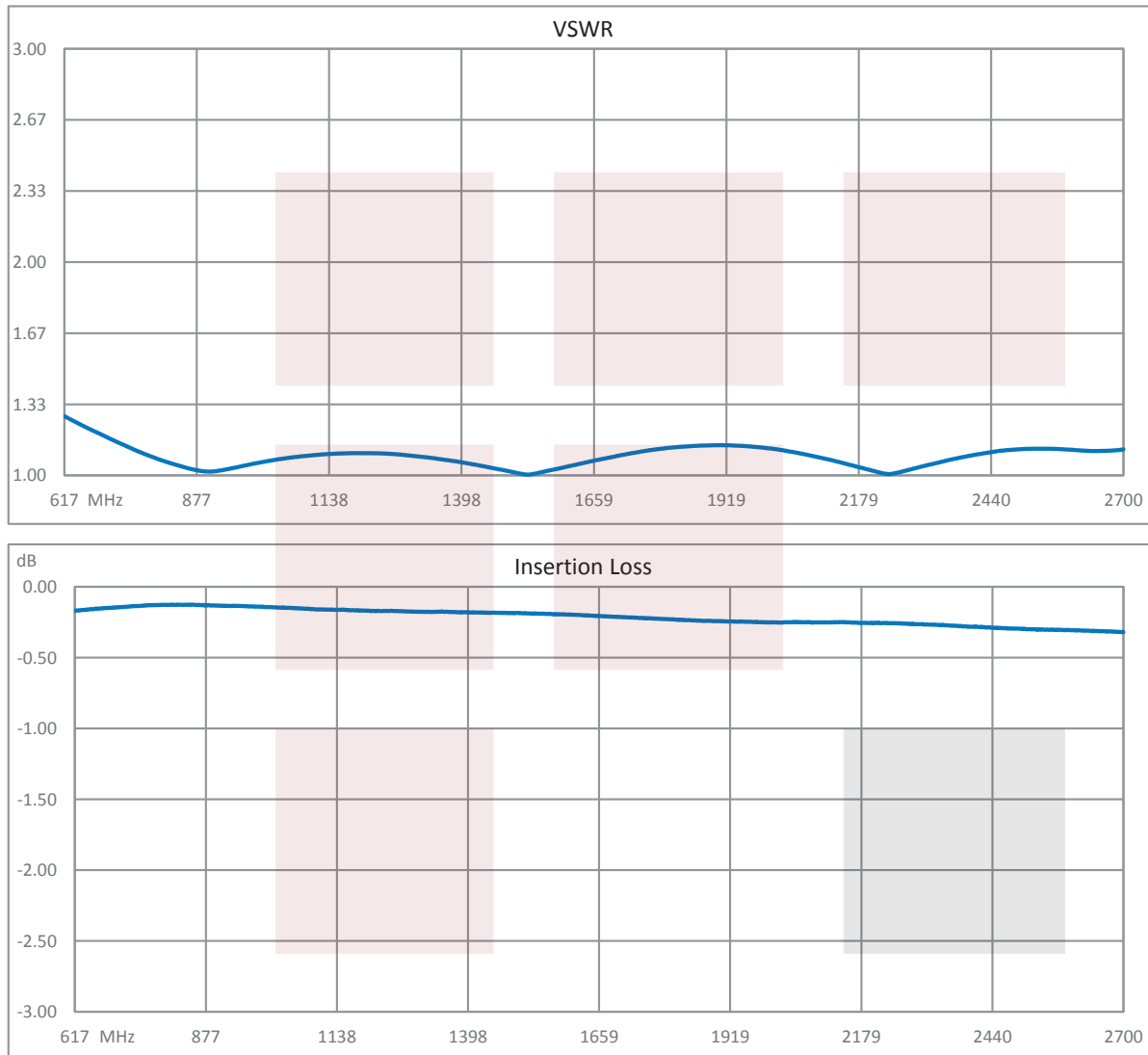
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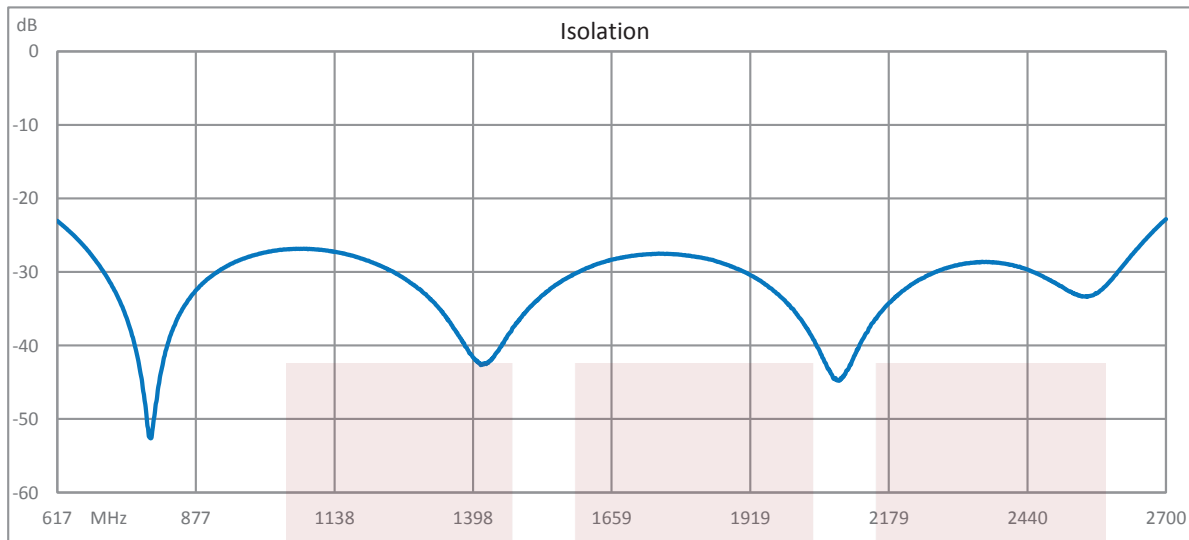
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Typical Performance Data



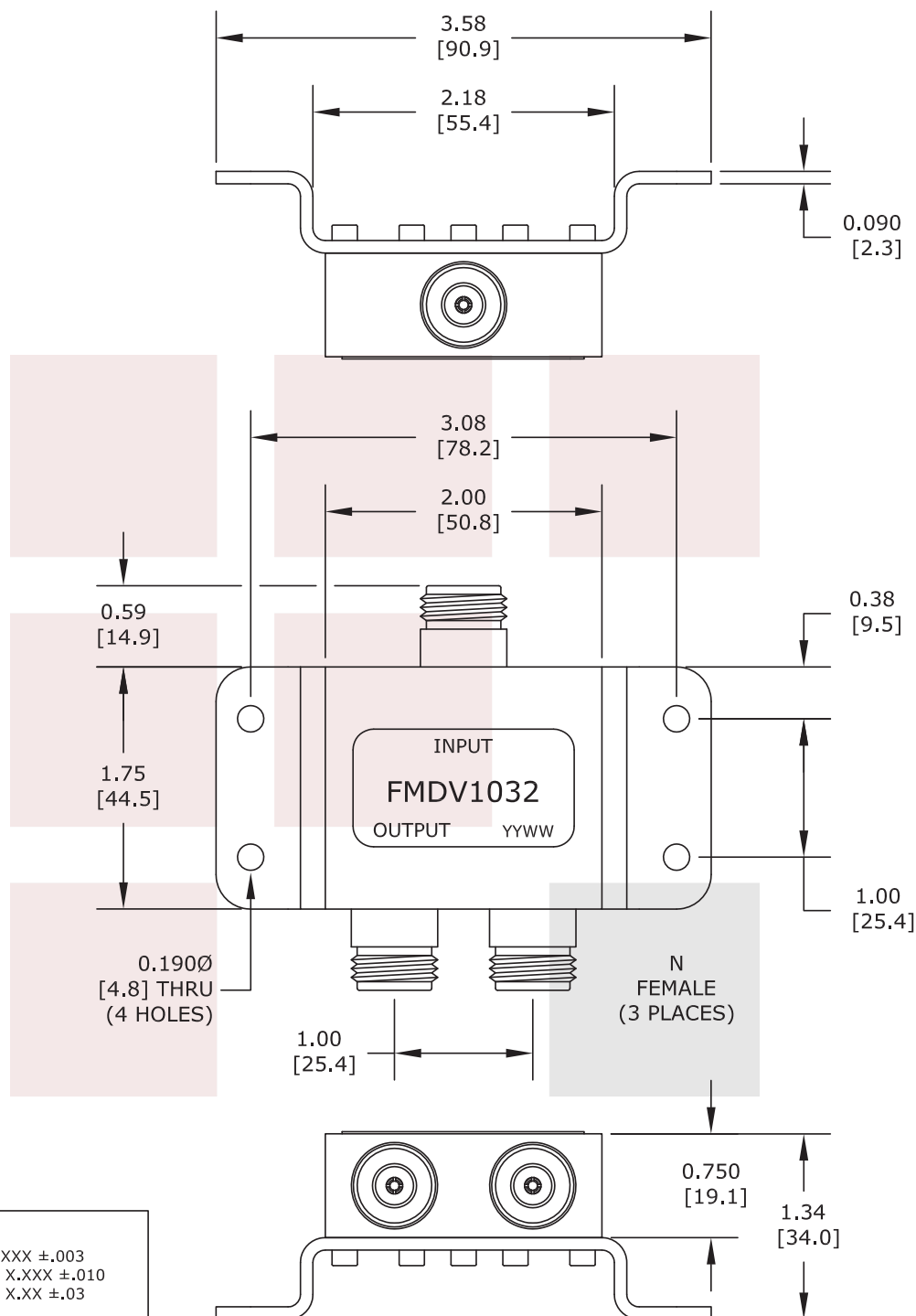


2 Way Power Divider N Connectors Wilkinson From 617 MHz to 2.7 GHz Rated at 30 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [2 Way Power Divider N Connectors Wilkinson From 617 MHz to 2.7 GHz Rated at 30 Watts FMDV1032](https://www.fairviewmicrowave.com/2-way-power-divider-n-wilkinson-2.7-ghz-30-watts-fmdv1032-p.aspx)

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TOLERANCES:
HOLE TOLERANCE: X.XXX ±.003
LENGTH TOLERANCE: X.XXX ±.010
LENGTH TOLERANCE: X.XX ±.03

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TITLE

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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].

DWG NO

FMDV1032

CAGE CODE

3FKR5

CAD FILE

082216

SHEET

SCALE

N/A

SIZE

A

2233