

2 Way Power Divider 1.85mm Interface from 10 GHz to 65 GHz Rated at 10 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 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 FMDV1073 is a 2-way Wilkinson power divider that operates from 10 to 65 GHz and can handle up to 10 Watts (CW) with 4.5 dB max insertion loss and 15 dB min isolation. The package interface uses 1.85mm female connectors and is REACH and RoHS compliant.

Electrical Specifications

Number of Output Ports		2		
Description	Min	Typ	Max	Units
Frequency Range	10		65	GHz
Impedance		50		Ohms
Input VSWR		2.2:1	2.5:1	
Output VSWR		2.2:1	2.5:1	
Insertion Loss		2.5	4.5	dB
Isolation	15			dB
Amplitude Balance			±1.5	dB
Phase Balance			±15	Degrees
Input Power (CW)			10	Watts

Mechanical Specifications

Size	
Length	1.84 in [46.74 mm]
Width	1 in [25.4 mm]
Height	0.37 in [9.4 mm]
Housing Material and Plating	
	Aluminum
Configuration	
Package Type	Connectorized
Input Connector	1.85mm Female
Output Connectors	1.85mm Female

Environmental Specifications

Storage Range	-54 to +125 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:



Features:

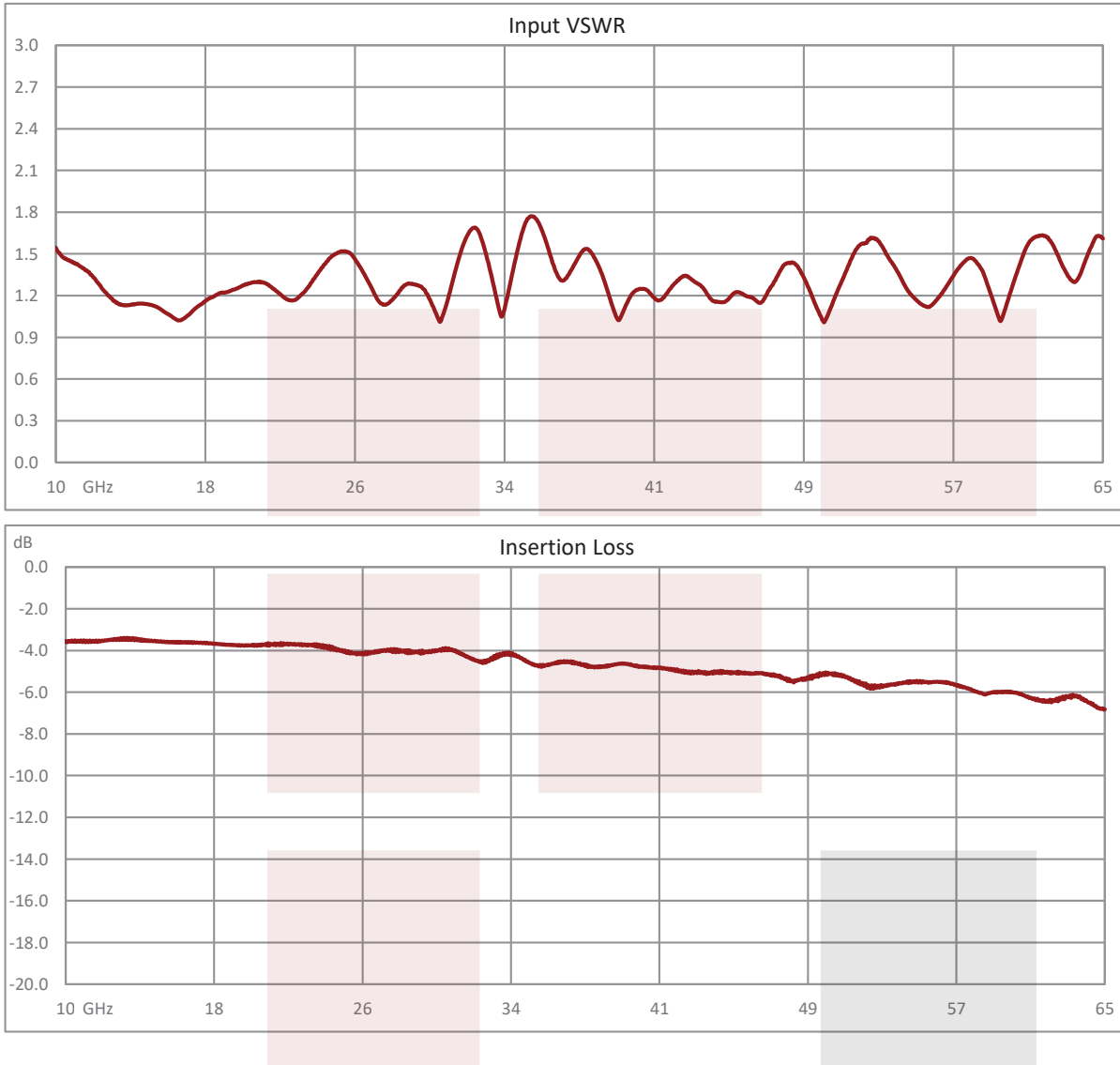
- 2-Way Power Divider
- Wilkinson Design
- 10 to 65 GHz Frequency Range
- Max Power 10 Watts (CW)
- Insertion Loss < 4.5 dB
- Isolation > 15 dB

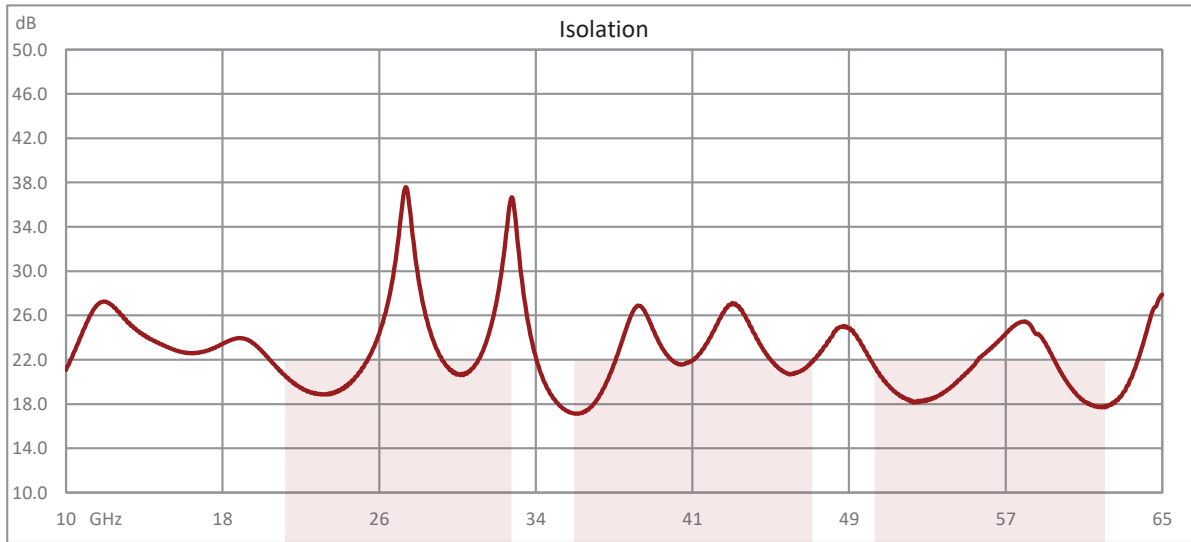
Applications:

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

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Typical Performance Data





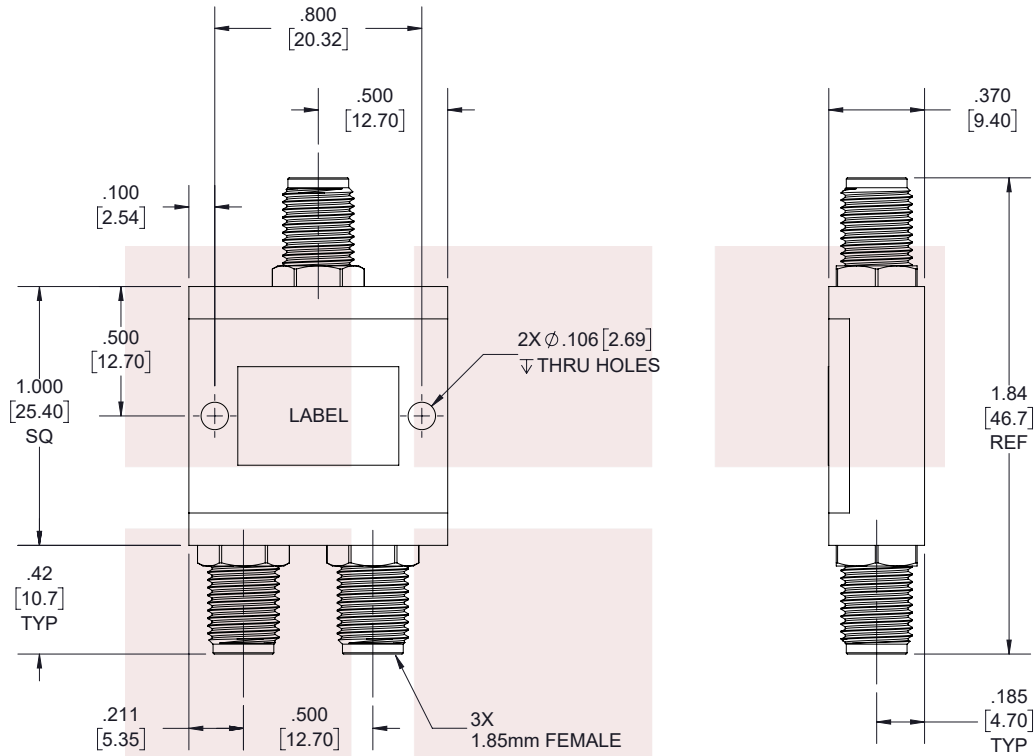
2 Way Power Divider 1.85mm Interface from 10 GHz to 65 GHz Rated at 10 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [2 Way Power Divider 1.85mm Interface from 10 GHz to 65 GHz Rated at 10 Watts FMDV1073](https://www.fairviewmicrowave.com/2-way-power-divider-1.85mm-65-ghz-fmdv1073-p.aspx)

URL: <https://www.fairviewmicrowave.com/2-way-power-divider-1.85mm-65-ghz-fmdv1073-p.aspx>

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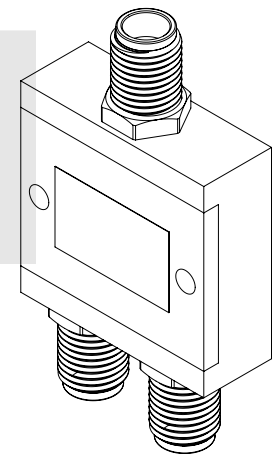
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	4/2/2020	S.PONG



LABEL:

FAIRVIEW MICROWAVE
FMDV1073
D/C: YYWW

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TITLE
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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X = ±.2 [5.08]	FRACTIONS	L ≤ 12 [305] = +1 [25] / -0
.XX = ±.02 [.51]	± 1/32	12 [305] < L ≤ 60 [1524] = +2 [51] / -0
.XXX = ±.005 [.13]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
		120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
		300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY K.DANG	ITEM NO. FMDV1073	REV A
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T-Rev.D