

## 4 Way Power Divider 2.92mm Connectors From 26 GHz to 40 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 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 FMDV1149 is a 4-way power divider that operates from 26 to 40 GHz and can handle up to 10 Watts (CW) with 2 dB max insertion loss and 15 dB min isolation. The package interface uses 2.92mm female connectors.

### Electrical Specifications

Number of Output Ports			4	
Description	Min	Typ	Max	Units
Frequency Range	26		40	GHz
Impedance		50		Ohms
Input VSWR			1.7:1	
Output VSWR			1.6:1	
Insertion Loss		1.6	2	dB
Isolation	15			dB
Amplitude Balance			0.4	dB
Phase Balance			8	Degrees
Nominal Power Splitting		6		dB
Input Power (CW)			10	Watts
Reverse Power (CW)			1	Watt
Input Power (Peak)			100	Watts

### Mechanical Specifications

Size	
Length	2.03 in [51.56 mm]
Width	1.37 in [34.8 mm]
Height	0.39 in [9.91 mm]
Weight	0.113 lbs [51.26 g]
Housing Material and Plating	Aluminum
Configuration	
Package Type	Connectorized
Input Connector	2.92mm Female
Output Connectors	2.92mm Female

### Environmental Specifications

Temperature	
Operating Range	-45 to +85 deg C
Storage Range	-55 to +125 deg C



### Features:

- 4-Way Power Divider
- 2.92mm Female Connectorized Design
- 26 to 40 GHz Frequency Range
- Max Power 10 Watts (CW)
- Insertion Loss < 2 dB
- Isolation > 15 dB

### Applications:

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

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Humidity	100% RH at 35°C, 95%RH at 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions
Vibration	25gRMS (15 degrees 2KHz) endurance, 1 hour per axis
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)

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

**Plotted and Other Data**

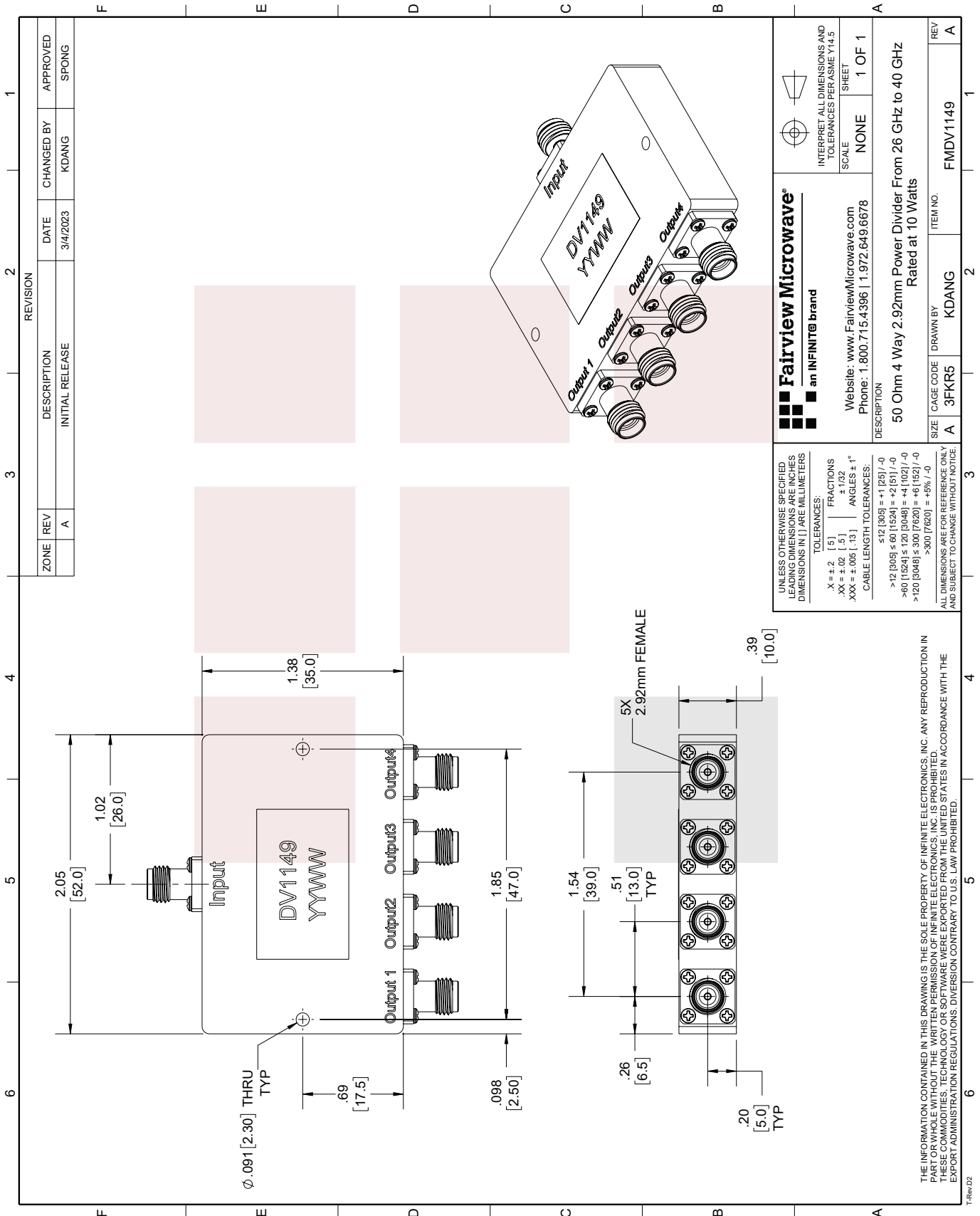
Notes:

4 Way Power Divider 2.92mm Connectors From 26 GHz to 40 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: [4 Way Power Divider 2.92mm Connectors From 26 GHz to 40 GHz Rated at 10 Watts FMDV1149](#)

URL: <https://www.fairviewmicrowave.com/4-way-power-divider-2.92mm-40-ghz-fmdv1149-p.aspx>

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ZONE		REVISION		DESCRIPTION		DATE		CHANGED BY		APPROVED	
A		A		INITIAL RELEASE		3/4/2023		KDANG		SPONG	

<b>Fairview Microwave®</b> an INFINITE brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SHEET	
Website: <a href="http://www.FairviewMicrowave.com">www.FairviewMicrowave.com</a> Phone: 1.800.715.4396   1.972.649.6678		SCALE: NONE SHEET: 1 OF 1	
DESCRIPTION: <b>50 Ohm 4 Way 2.92mm Power Divider From 26 GHz to 40 GHz</b> <b>Rated at 10 Watts</b>			
SIZE: A	CAGE CODE: 3FKR5	DRAWN BY: KDANG	ITEM NO.: FMDV1149
REV: A			REV: A

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND DIMENSIONS IN [ ] ARE MILLIMETERS.

TOLERANCES:  
 .X = ±.2 [5]  
 .XX = ±.02 [.5]  
 .XXX = ±.005 [.13]

FRACTIONS: ± 1/32  
 ANGLES: ± 1°

CABLE LENGTH TOLERANCES:  
 ≤ 12 [305] = ±1 [25] / -0  
 > 12 [305] ≤ 60 [1524] = +2 [51] / -0  
 > 60 [1524] ≤ 120 [3048] = +4 [102] / -0  
 > 120 [3048] ≤ 300 [7620] = +6 [152] / -0  
 > 300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.

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