

**2.92mm Directional Coupler 20 dB Coupled Port
 From 6 GHz to 26.5 GHz Rated To 10 Watts**

Directional couplers are indispensable components for isolating, separating and combining signals. For example, they provide a simple way of sampling microwave signals. They also can make accurate attenuator measurements since reflections are eliminated. The MC0626-20 is a 20 dB directional coupler that operates from 6 to 26.5 GHz and can handle up to 10 Watts with 13 dB directivity minimum and 1.6:1 VSWR maximum. The package interface uses 2.92mm female connectors, and is also REACH and RoHS compliant.

The MC0626-20 is part of Fairview Microwave's family of directional/dual-directional couplers that offer coupling ratio up to 50 dB with excellent performance featuring high directivity, low insertion loss and VSWR. They are available in both narrow and broad bandwidths and can be used in a wide variety of applications including signal sampling, VSWR measurements, power combining and distribution.



Features:

- Directional Coupler
- 6 to 26.5 GHz Frequency Range
- Coupling 20±1.25 dB
- Directivity > 13 dB
- VSWR < 1.6:1
- Max Power 10 Watts (CW)

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	6		26.5	GHz
Impedance		50		Ohms
Coupling		20 ±1.25		dB
Freq. Sensitivity			1.5	dB
Insertion Loss			1.4	dB
Directivity	13			dB
Main Line VSWR			1.6:1	
Input Power (CW)			10	Watts

Applications:

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

Mechanical Specifications

Size

Length	1.06 in [26.92 mm]
Width/Dia.	0.625 in [15.88 mm]
Height	0.4 in [10.16 mm]
Weight	0.05203 lbs [23.6 g]

Configuration

Input Connector	2.92mm Female
Output Connector	2.92mm Female
Coupled Connectors	2.92mm Female

Environmental Specifications

Temperature

Operating Range	-55 to +125 deg C
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Compliance Certifications (visit www.FairviewMicrowave.com for current document)

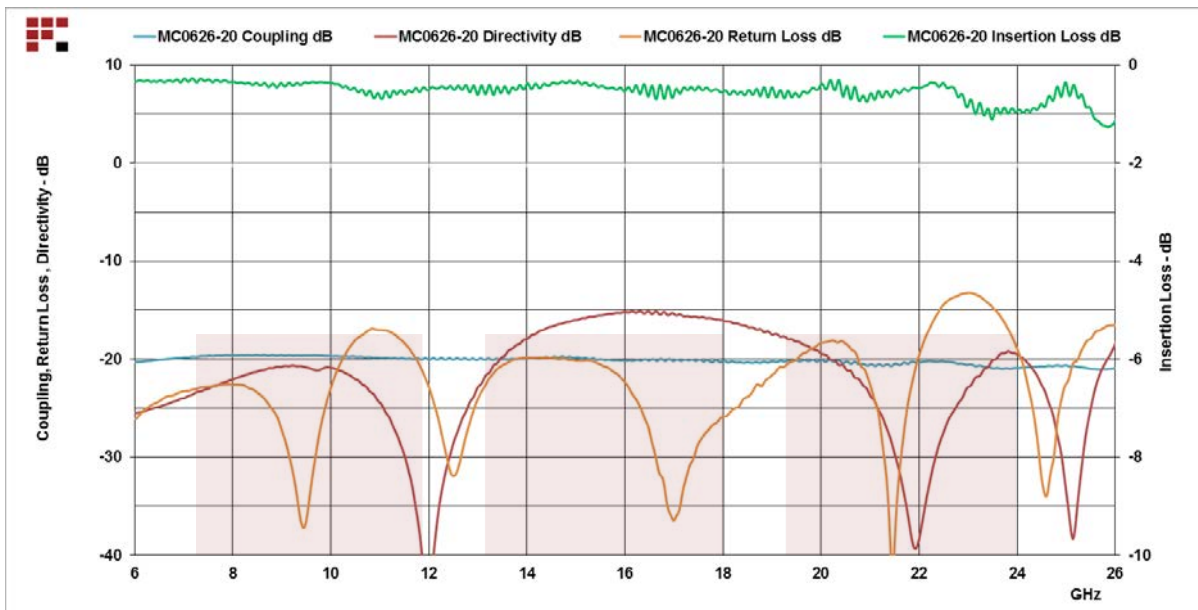
RoHS Compliant	Yes
REACH Compliant	12/17/2015

Plotted and Other Data

Notes:

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Typical Performance Data

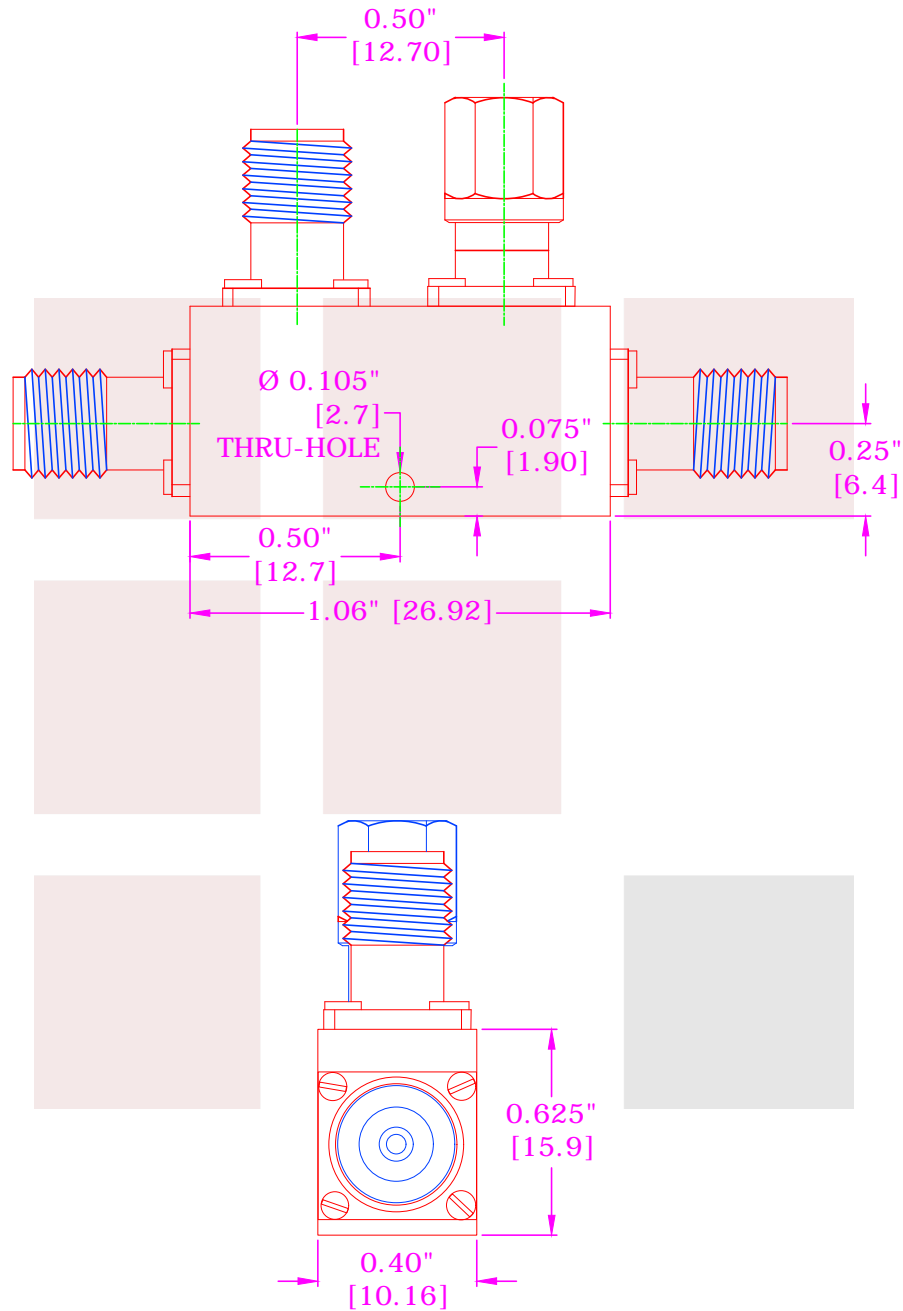


2.92mm Directional Coupler 20 dB Coupled Port From 6 GHz to 26.5 GHz Rated To 10 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [2.92mm Directional Coupler 20 dB Coupled Port From 6 GHz to 26.5 GHz Rated To 10 Watts MC0626-20](https://www.fairviewmicrowave.com/2.92mm-directional-coupler-20-db-26-ghz-20-watts-mc0626-20)

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TITLE 2.92mm Directional Coupler 20 dB Coupled Port From 6 GHz to 26.5 GHz Rated To 10 Watts		DWG NO MC0626-20		CAGE CODE 3FKR5	
CAD FILE 011415 SHEET		SCALE N/A		SIZE A 5568	