

**2.92mm Directional Coupler 10 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 MC0626-10 is a 10 dB directional coupler that operates from 6 to 26.5 GHz and can handle up to 10 Watts with 12 dB directivity minimum and 1.65:1 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.

**Electrical Specifications**

Description	Min	Typ	Max	Units
Frequency Range	6		26.5	GHz
Impedance		50		Ohms
Coupling		10 ±2		dB
Freq. Sensitivity			1.5	dB
Insertion Loss			1.75	dB
Directivity	12			dB
Main Line VSWR			1.65:1	
Input Power (CW)			10	Watts

**Mechanical Specifications**

**Size**

Length	1.06 in [26.92 mm]
Width/Dia.	0.625 in [15.88 mm]
Height	40 in [101.6 cm]
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](http://www.FairviewMicrowave.com) for current document)

RoHS Compliant	Yes
REACH Compliant	12/17/2015

**Plotted and Other Data**

Notes:



**Features:**

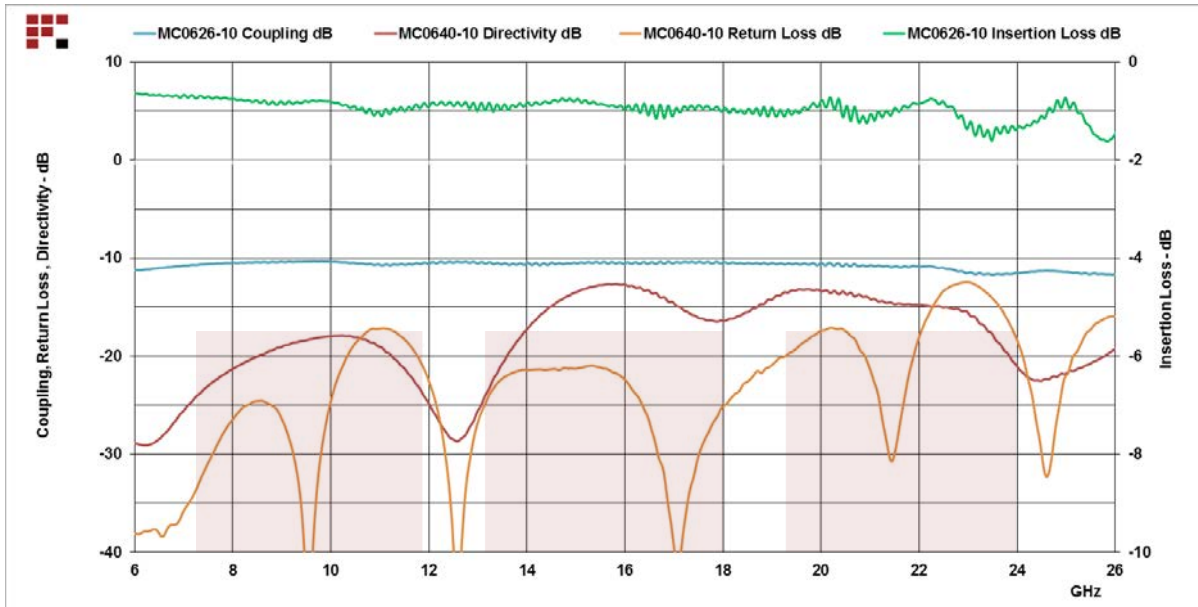
- Directional Coupler
- 6 to 26.5 GHz Frequency Range
- Coupling 10±2 dB
- Directivity > 12 dB
- VSWR < 1.65:1
- Max Power 20 Watts (CW)

**Applications:**

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

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**Typical Performance Data**

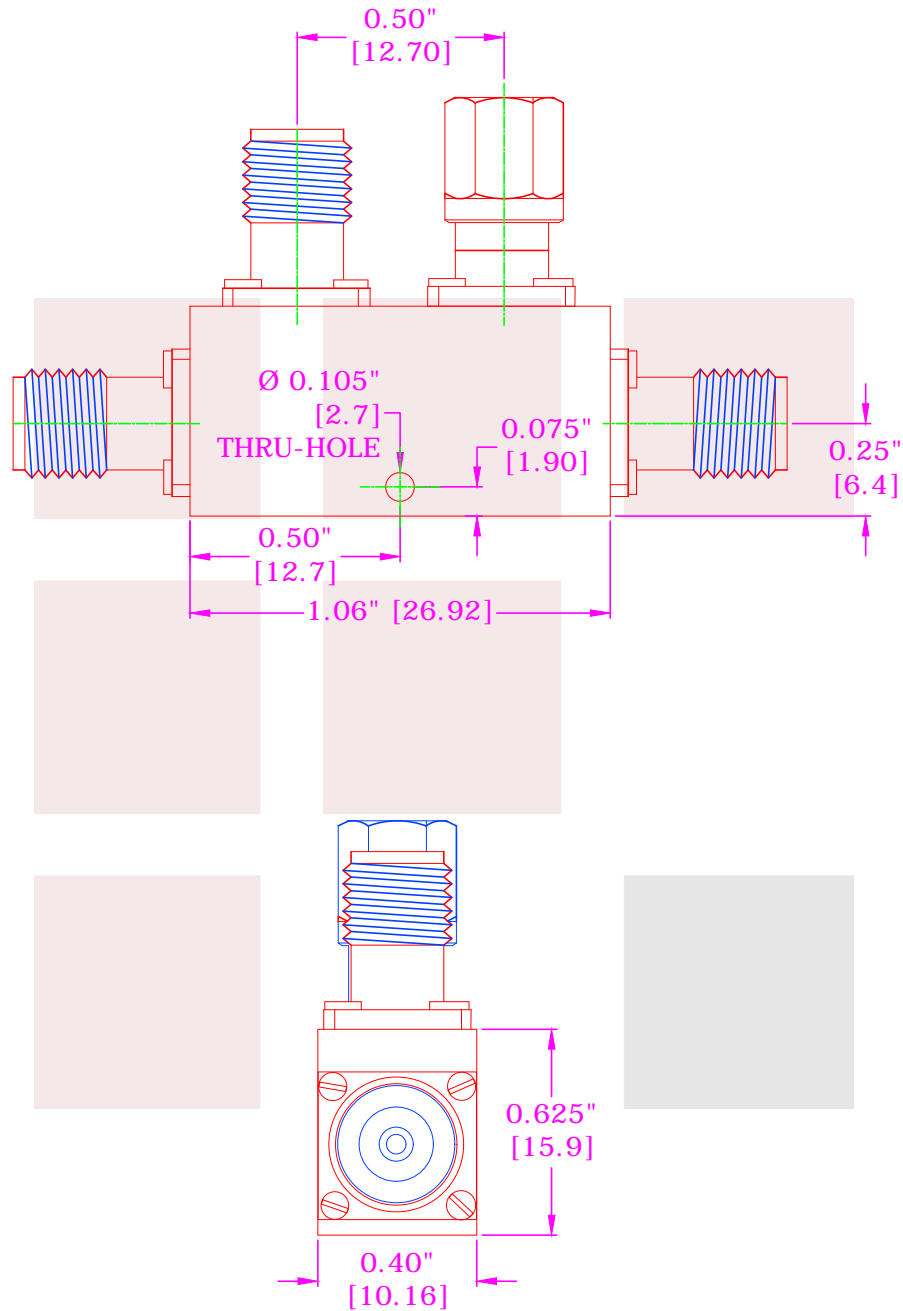


2.92mm Directional Coupler 10 dB Coupled Port From 6 GHz to 26.5 GHz Rated To 10 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF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

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

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