

**SMA Directional Coupler 6 dB Coupled Port From
4 GHz to 12.4 GHz Rated To 50 Watts**

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	4		12.4	GHz
Impedance		50		Ohms
Coupling		6 ±1		dB
Freq. Sensitivity		1		dB
Insertion Loss		2.5		dB
Directivity	17			dB
Main Line VSWR			1.35:1	
Sec. Line VSWR			1.35:1	
Input Power (CW)			50	Watts
Input Power (Peak)			3	KWatts

Mechanical Specifications

Size

Length	1.22 in [30.99 mm]
Width/Dia.	0.55 in [13.97 mm]
Height	0.38 in [9.65 mm]
Weight	0.05512 lbs [25 g]

Configuration

Input Connector	SMA Female
Output Connector	SMA Female
Coupled Connectors	SMA Female

Environmental Specifications

Temperature

Operating Range	-55 to +110 deg C
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Compliance Certifications (visit www.FairviewMicrowave.com for current document)

RoHS Compliant	Yes
REACH Compliant	12/17/2015

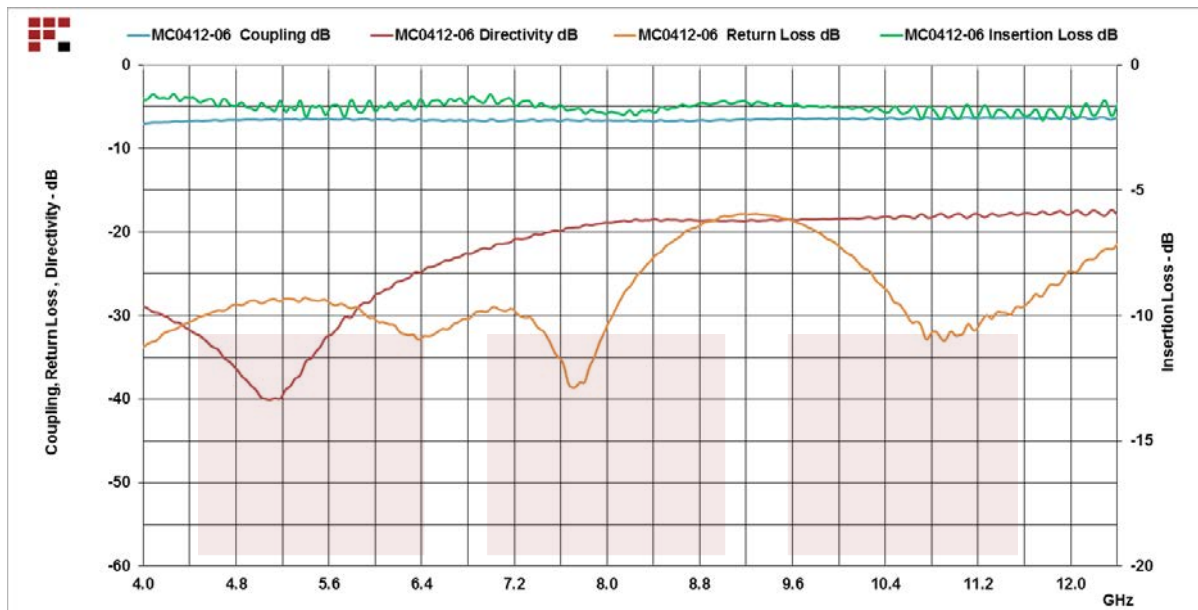
Plotted and Other Data

Notes:



Fairview Microwave
1130 Junction Dr. #100
Allen, TX 75013
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Typical Performance Data

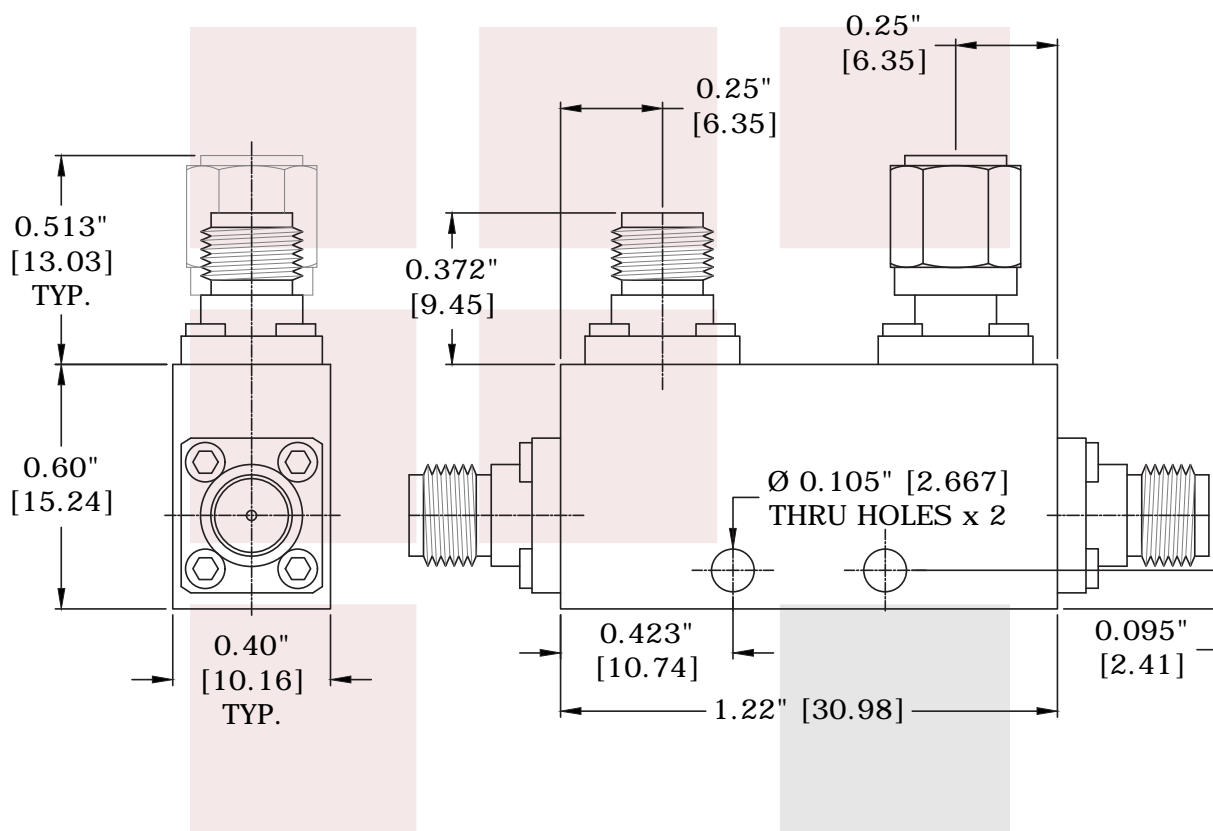


SMA Directional Coupler 6 dB Coupled Port From 4 GHz to 12.4 GHz Rated To 50 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Directional Coupler 6 dB Coupled Port From 4 GHz to 12.4 GHz Rated To 50 Watts MC0412-06](http://www.fairviewmicrowave.com/sma-directional-coupler-6-db-12.4-ghz-50-watts-mc0412-06-p.aspx)

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TITLE SMA Directional Coupler 6 dB Coupled Port From 4 GHz to 12.4 GHz Rated To 50 Watts		DWG NO MC0412		CAGE CODE 3FKR5
CAD FILE	052716	SHEET	SCALE N/A	SIZE A 5568