

**SMA Dual Directional Coupler 20 dB Coupled Port  
 From 2 GHz to 6 GHz Rated To 100 Watts**

**Electrical Specifications**

Description	Min	Typ	Max	Units
Frequency Range	2		6	GHz
Directivity	16			dB
Impedance		50		Ohms
Insertion Loss			0.35	dB
Input Power			100	Watts
Input VSWR			1.3:1	
Coupling Value		20		dB
Coupling Tolerance			± 1	dB
Coupling Flatness			± 0.7	dB



**Features:**

- Connector 1: SMA Female
- Connector 2: SMA Female
- Coupled Connectors: SMA Female
- Design: Dual Directional Coupler

**Mechanical Specifications**

**Temperature**

Operating Range +85 to -55 deg C

**Size**

Length 1.7 in [43.18 mm]  
 Width/Dia. 55 in [139.7 cm]  
 Height 0.85 in [21.59 mm]

Housing Material and Plating Aluminum Alloy, Chem Film

**Connector 1**

Type SMA Female

**Connector 2**

Type SMA Female

**Connector 3**

Type SMA Female

**Connector 4**

Type SMA Female

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**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

**Plotted and Other Data**

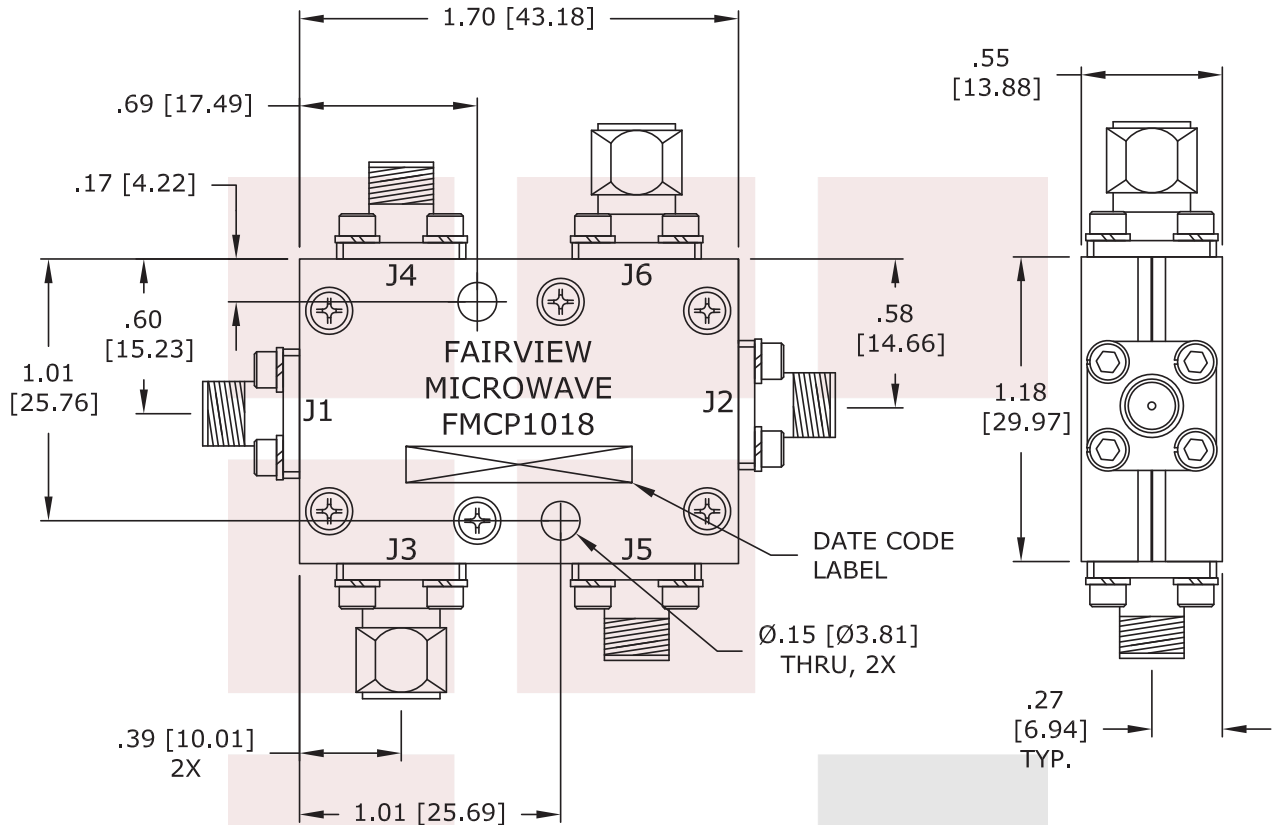
Notes:

SMA Dual Directional Coupler 20 dB Coupled Port From 2 GHz to 6 GHz Rated To 100 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 Dual Directional Coupler 20 dB Coupled Port From 2 GHz to 6 GHz Rated To 100 Watts FMCP1018](#)

URL: <http://www.fairviewmicrowave.com/sma-dual-directional-coupler-20-db-6-ghz-100-watts-fmcp1018-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



INPUT	OUTPUT	FORWARD COUPLING	REFLECTED COUPLING	50 OHM LOAD
J1	J2	J4	J5	J3, J6
J2	J1	J5	J4	J3, J6

TOLERANCE	.XX ±.02
	.XXX ±.005
	ANG. ±1/2°

\* THESE DIMENSIONS AND TOLERANCES  
SUPERSEDE NOTE #1 ON TITLE BLOCK.

<b>FAIRVIEW MICROWAVE INC.</b>		NOTES:			
ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.			
		2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.			
		3. DIMENSIONS ARE IN INCHES [mm].			
TITLE	DWG NO	CAGE CODE			
SMA Dual Directional Coupler 20 dB Coupled Port From 2 GHz to 6 GHz Rated To 100 Watts	FMCP1018	3FKR5			
CAD FILE	041015	SHEET	SCALE	N/A	SIZE A 2233