

2 Way High Power Broadband Combiner SMA Connectors From 20 MHz to 1,000 MHz Rated at 100 Watts

MPP0201K0100-2 is a 2 way High Power Broadband RF Combiner with a max input power at 100 watts operating from 20 to 1000 MHz with 50 ohm SMA connectors. The MPP0201K0100-2 has greater than 15 dB typical isolation, less than 0.60 dB typical low insertion loss and a MAX VSWR of 1.30:1; along with a phase balance of ± 5 degrees and an amplitude balance of ± 0.3 dB. The RF Combiner operates in a temperature range from -55°C to +85°C, with a foot print of 3.25"x2"x1.10".

Configuration

Input Connectors	SMA Female
Output Connector	SMA Female
Frequency Range	20 to 1,000 MHz
Design	Reactive
Number of Input Ports	2
Housing Material and Plating	Aluminum Alloy

Electrical Specifications*

Description	Min	Typ	Max	Units
Frequency Range	20		1,000	MHz
Impedance		50		Ohms
Insertion Loss			0.6	dB
Input Power			100	Watts
Input VSWR			1.3:1	
Isolation	15			dB
Phase Balance		± 5		Degrees
Flatness		± 0.3		dB

* Values at 25°C, sea level

Mechanical Specifications

Temperature

Operating Range -55 to +85 deg C

Size

Length 3.25 in [82.55 mm]
Width 2 in [50.8 mm]
Height 1.1 in [27.94 mm]

Connectors

Description	Input Connector	Output Connector
Connector Material	Passivated Stainless Steel	Passivated Stainless Steel

Compliance Certifications (visit www.FairviewMicrowave.com for current document)

RoHS Compliant Yes

Plotted and Other Data

Notes:

- Values at 25 °C, sea level



Features:

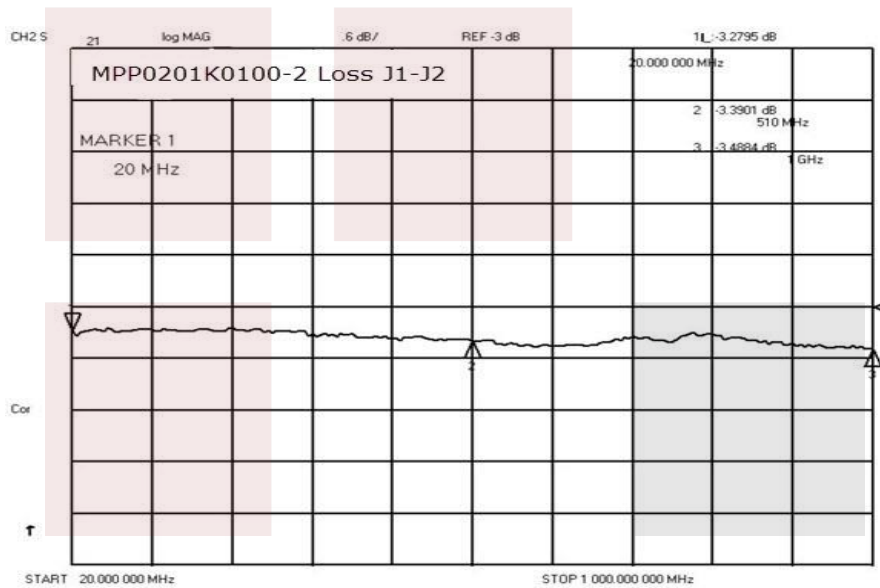
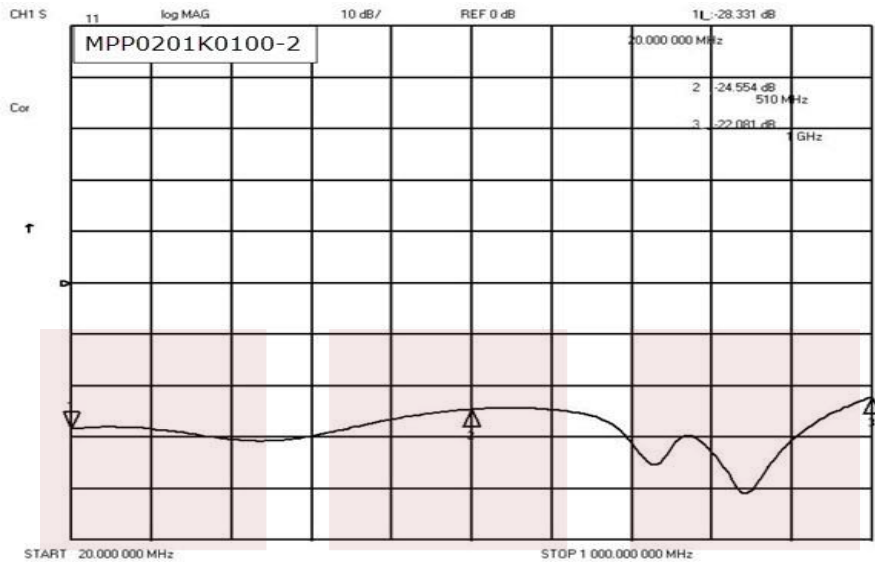
- 20 to 1000 MHz Frequency
- 100 watt max power
- Insertion Loss: < 0.60 dB
- Phase Balance: ± 5 degrees
- Amplitude Balance: ± 0.3 dB
- Isolation: >15 dB
- High Power Handling Capability

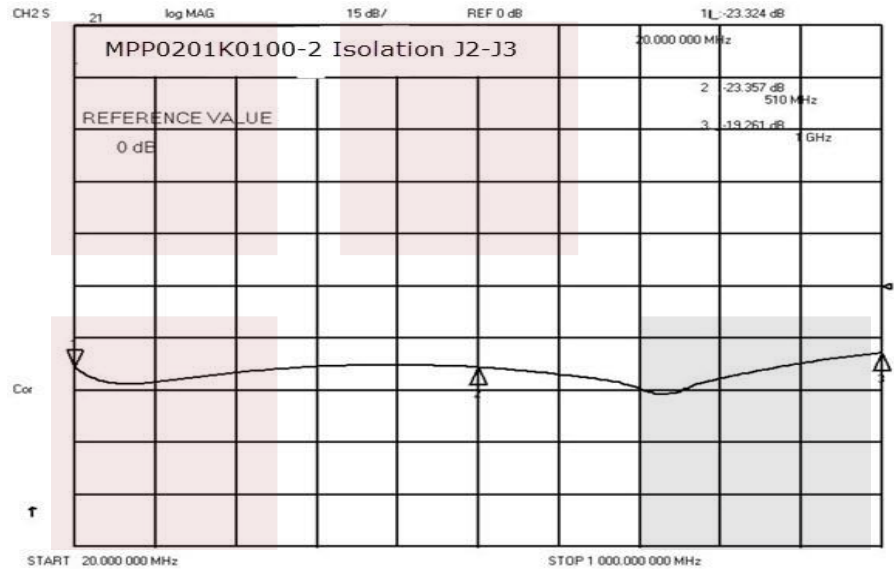
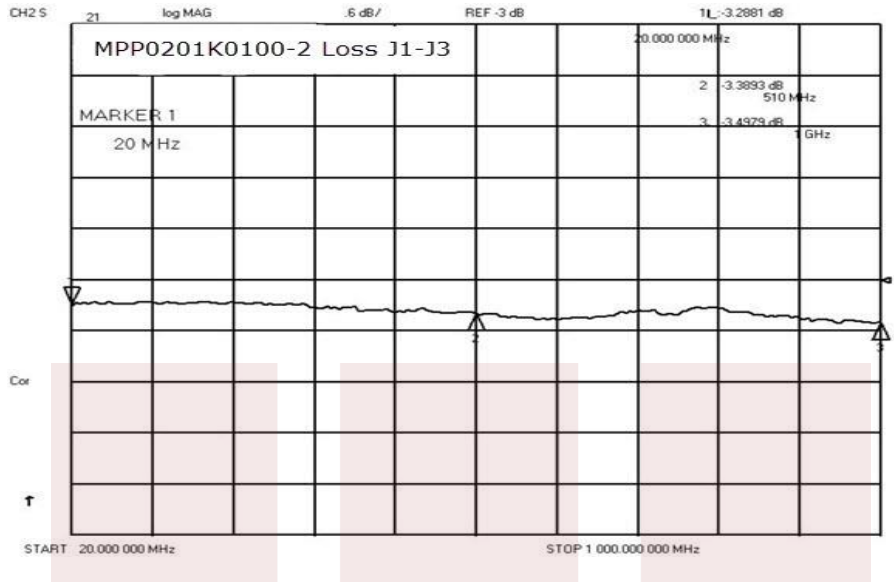
Applications:

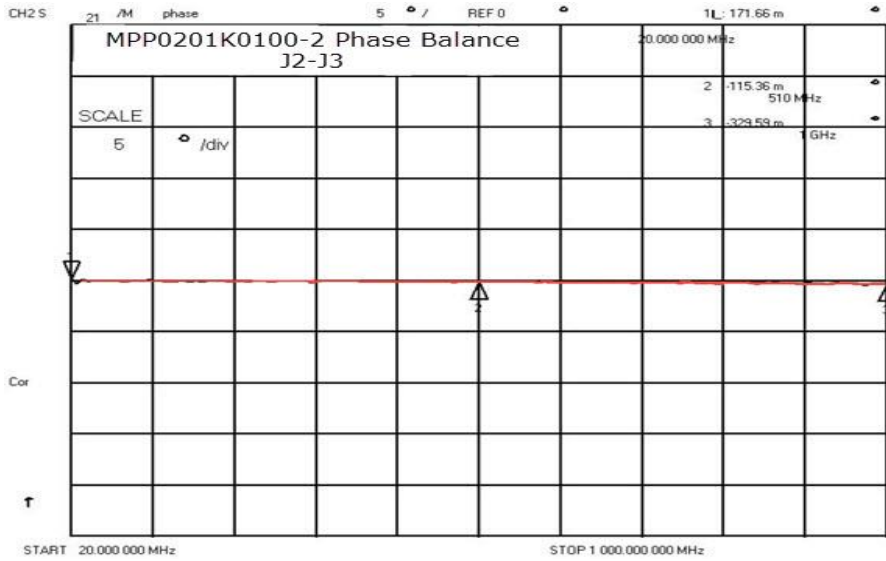
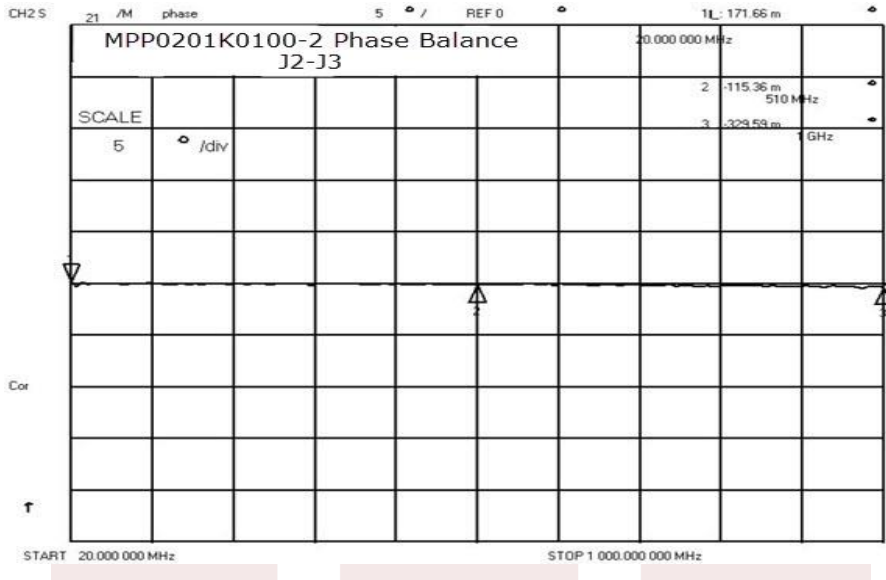
- Communications Systems
- Power Combining
- PCS,GSM,LTE, Cellular
- UMTS
- Amplifier Systems
- Amplifier Power Combining
- Wireless Infrastructures
- Defence Applications

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





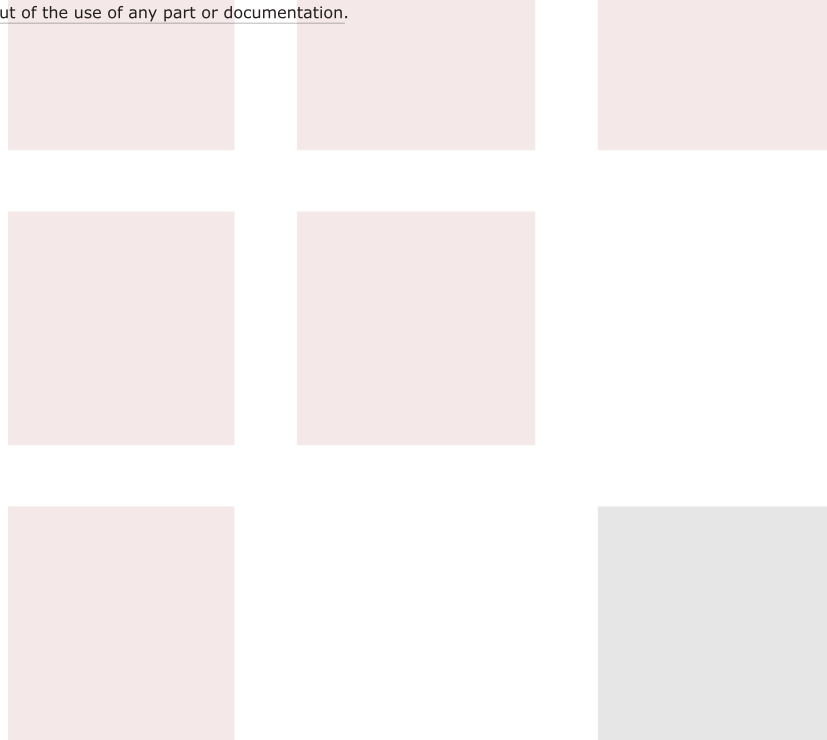


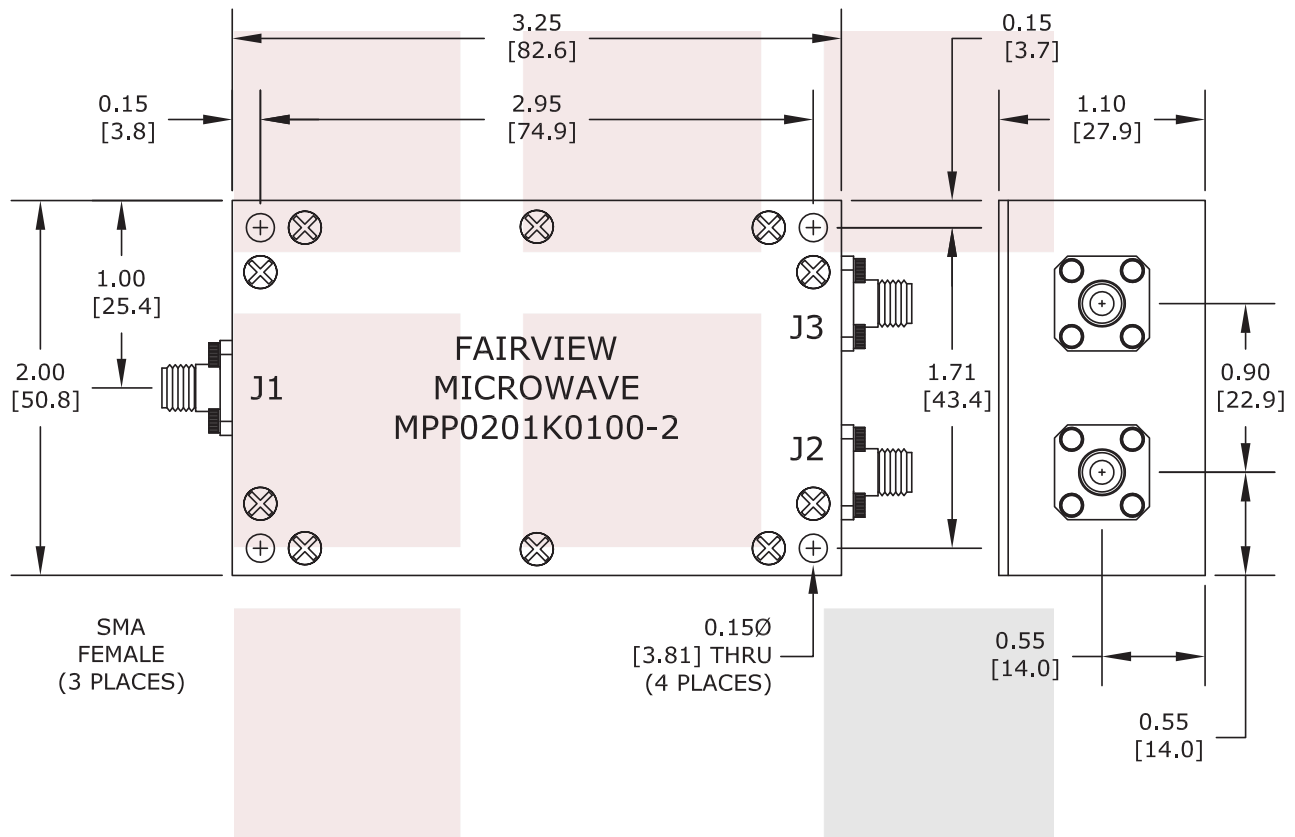
2 Way High Power Broadband Combiner SMA Connectors From 20 MHz to 1,000 MHz Rated at 100 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [2 Way High Power Broadband Combiner SMA Connectors From 20 MHz to 1,000 MHz Rated at 100 Watts MPP0201K0100-2](#)

URL: <http://www.fairviewmicrowave.com/2-way-power-combiner-sma-broadband-1000-mhz-100-watts-mpp0201k0100-2-p.aspx>

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TITLE 2 Way High Power Broadband Combiner SMA Connectors From 20 MHz to 1,000 MHz Rated at 100 Watts		DWG NO MPP0201K0100-2		CAGE CODE 3FKR5	
CAD FILE	090814	SHEET	SCALE	N/A	SIZE A 2233