

4 Way Broadband Combiner SMA Interface from 20 MHz to 1 GHz

MPP0201K0200-4 is a 4 way High Power Broadband RF Combiner with max power at 200 watts operating from 20 to 1000 MHz with 50 ohm SMA connectors. The MPP0201K0200-4 has greater than 12 dB typical isolation, less than 0.75 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 ± 0.25 dB. The RF Combiner operates in a temperature range from -55°C to $+85^{\circ}\text{C}$, with a foot print of 4"x3"x1.12".

Electrical Specifications

Description	Min	Typ	Max	Units
Design			Reactive	
Number of Input Ports			4	
Frequency Range	20		1,000	MHz
Impedance		50		Ohms
Output VSWR			1.3:1	
Insertion Loss			0.75	dB
Isolation	12			dB
Amplitude Balance		± 0.25		dB
Phase Balance		± 5		Degrees
Power Handling (CW) **See Electrical Notes			200	Watts

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	0.02 to 0.125	0.125 to 1				GHz
Isolation, Min	12	15				dB

Electrical Specification Notes:
The device is intended for coherent signal combining.

Mechanical Specifications

Size	
Length	4 in [101.6 mm]
Width	3 in [76.2 mm]
Height	1.12 in [28.45 mm]
Weight	0.056 lbs [25.4 g]
Housing Material and Plating	Aluminum Alloy
Configuration	
Input Connector	SMA Female
Output Connectors	SMA Female

Environmental Specifications

Temperature	
Operating Range	-55 to $+85$ deg C



Features:

- 20 to 1000 MHz Frequency
- 200 watt max power
- Insertion Loss: < 0.75 dB
- Phase Balance: ± 5 degrees
- Amplitude Balance: ± 0.25 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

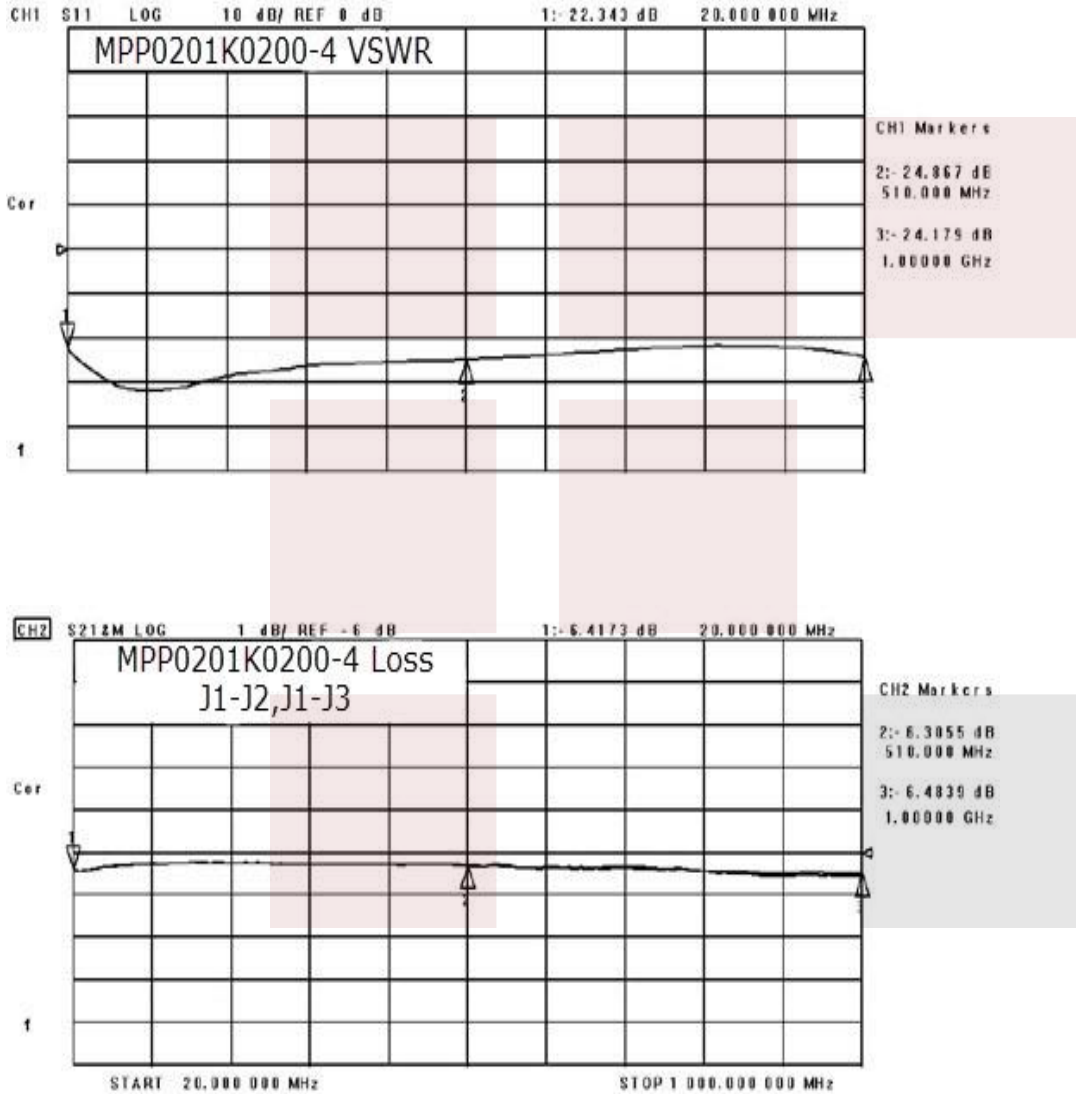
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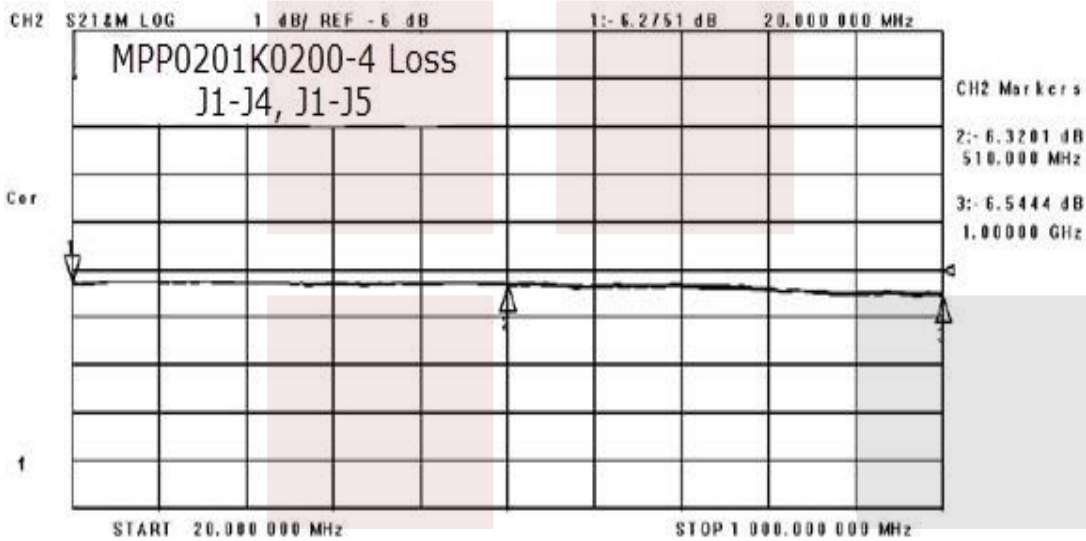
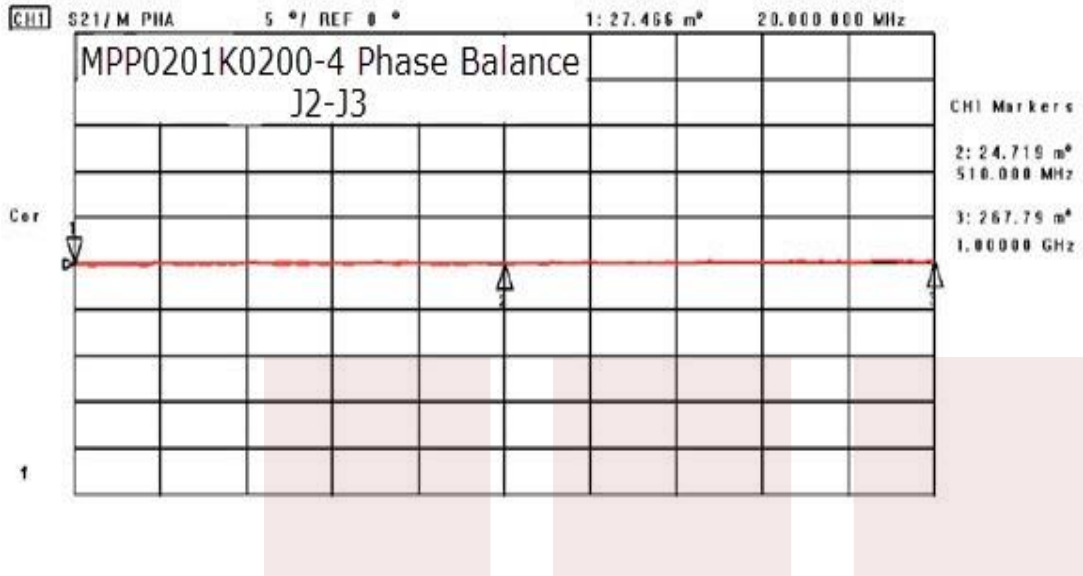
Compliance Certifications (see [product page](#) for current document)

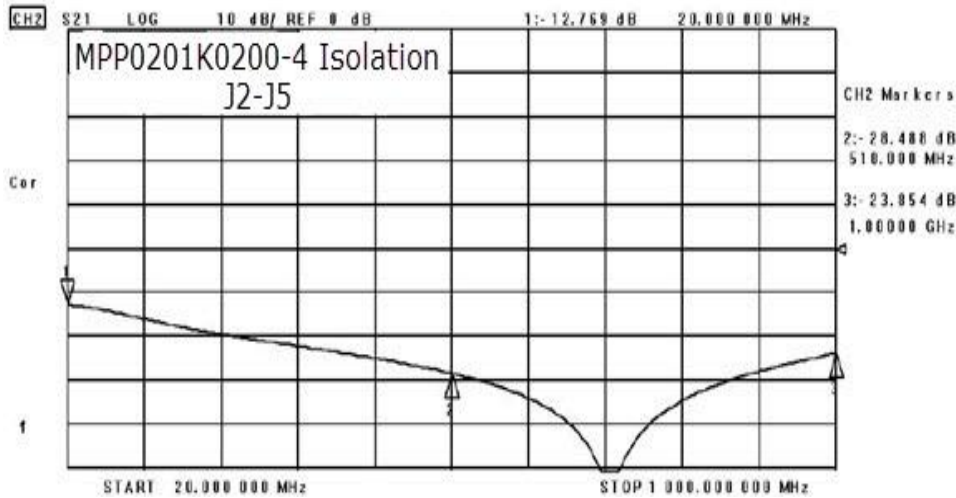
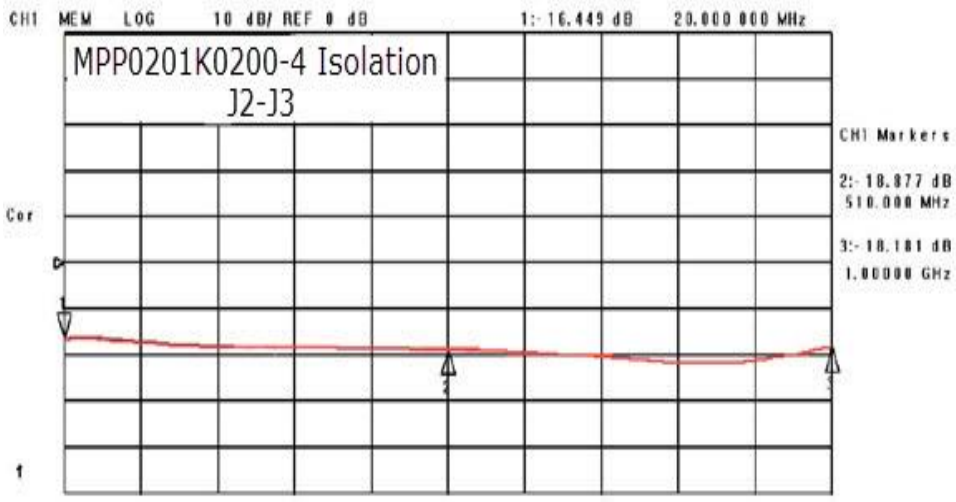
Plotted and Other Data

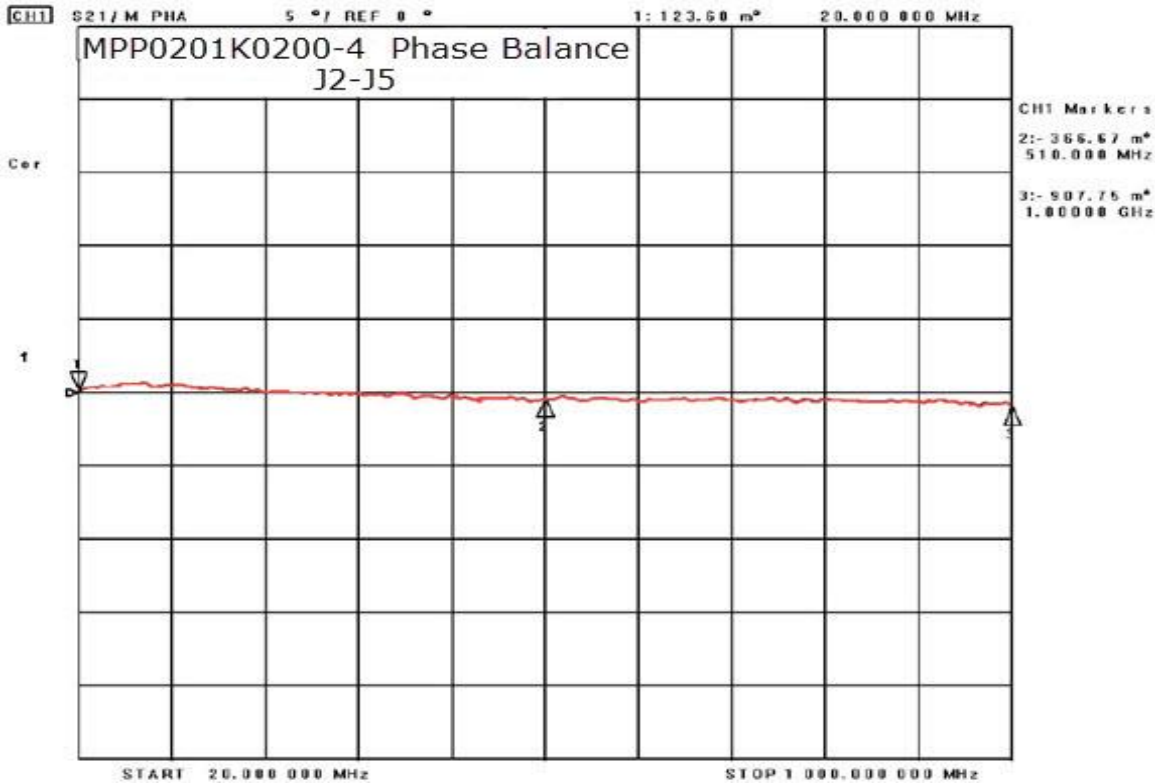
Notes:

Typical Performance Data







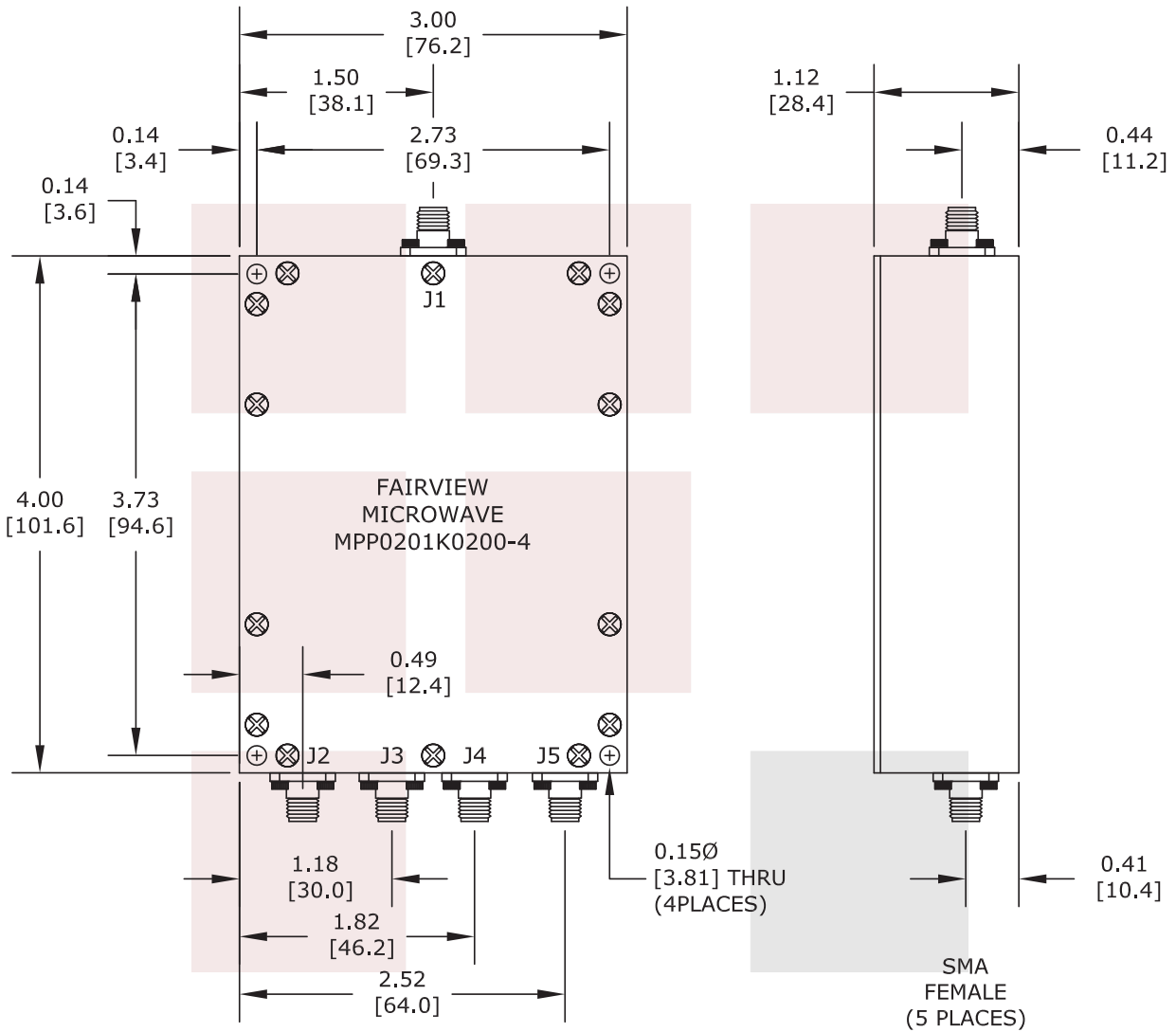


4 Way Broadband Combiner SMA Interface from 20 MHz to 1 GHz from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [4 Way Broadband Combiner SMA Interface from 20 MHz to 1 GHz MPP0201K0200-4](https://www.fairviewmicrowave.com/4-way-power-combiner-sma-broadband-1000-mhz-200-watts-mpp0201k0200-4-p.aspx)

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TITLE 4 Way Broadband Combiner SMA Interface from 20 MHz to 1 GHz		DWG NO MPP0201K0200-4		CAGE CODE 3FKR5	
CAD FILE	090814	SHEET	SCALE	N/A	SIZE A 2233