

4 Way High Power Broadband Combiner SMA Connectors From 800 MHz to 2.5 GHz Rated at 200 Watts

MPP8002K5200-4 is a 4 way High Power Broadband RF Combiner with a max input power at 200 watts operating from 800 to 2500 MHz with 50 ohm SMA connectors. The MPP8002K5200-4 has greater than 12 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 ± 0.25 dB. The RF Combiner operates in a temperature range from -55°C to +85°C, with a foot print of 4"x3"x1.12".

Configuration

Input Connectors	SMA Female
Output Connector	SMA Female
Frequency Range	0.8 to 2.5 GHz
Design	Reactive
Number of Input Ports	4
Housing Material and Plating	Aluminum Alloy

Electrical Specifications*

Description	Min	Typ	Max	Units
Frequency Range	0.8		2.5	GHz
Impedance		50		Ohms
Insertion Loss			0.6	dB
Input Power			200	Watts
Input VSWR			1.3:1	
Isolation	12			dB
Phase Balance		± 5		Degrees
Flatness		± 0.25		dB

* Values at 25°C, sea level

Mechanical Specifications

Temperature

Operating Range -55 to +85 deg C

Size

Length 4 in [101.6 mm]
Width 3 in [76.2 mm]
Height 1.12 in [28.45 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:

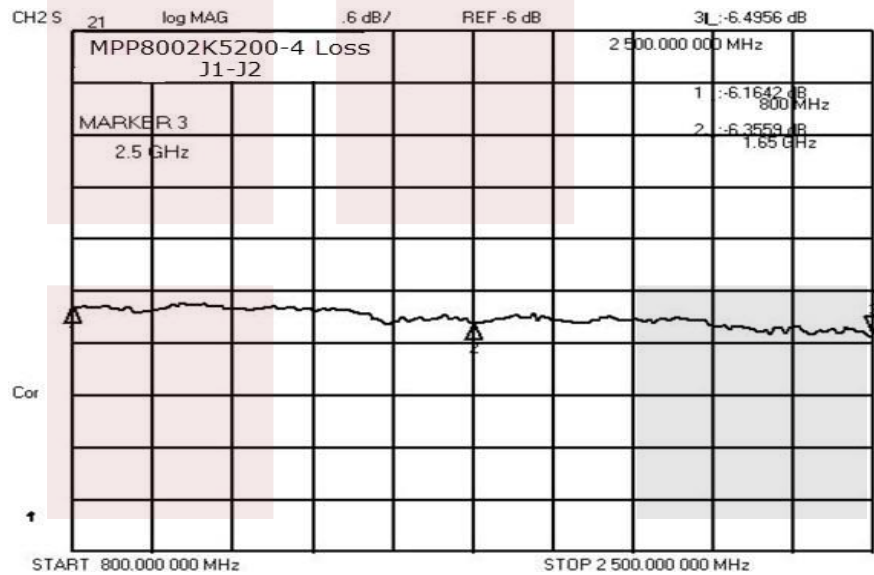
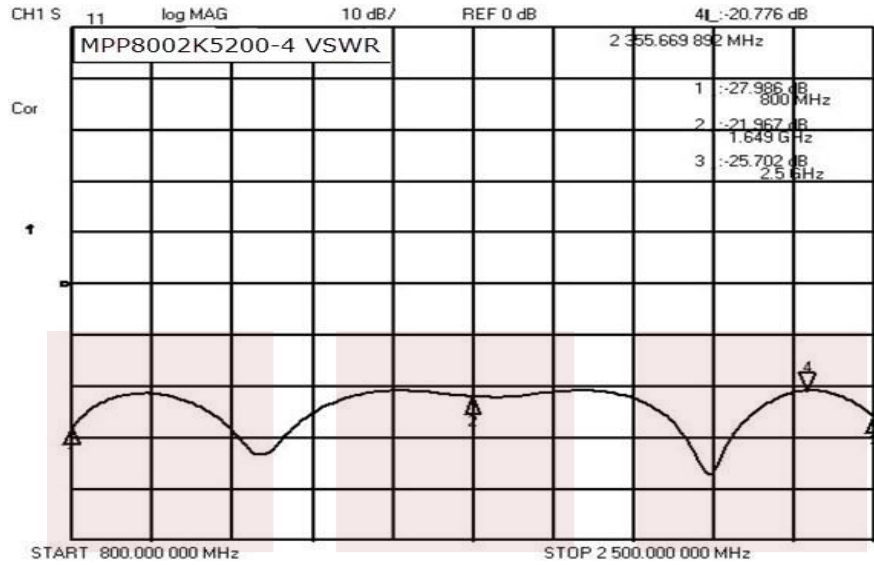
- 800 to 2500 MHz Frequency
- 200 watt max power
- Insertion Loss: < 0.6 dB
- Phase Balance: ± 5 degrees
- Amplitude Balance: ± 0.25 dB
- Isolation: >12 dB
- High Power Handling Capability

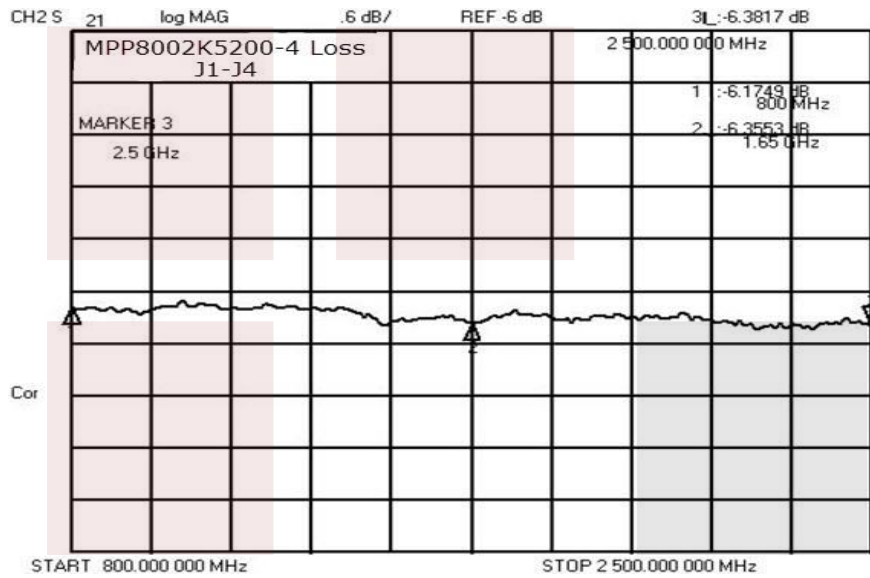
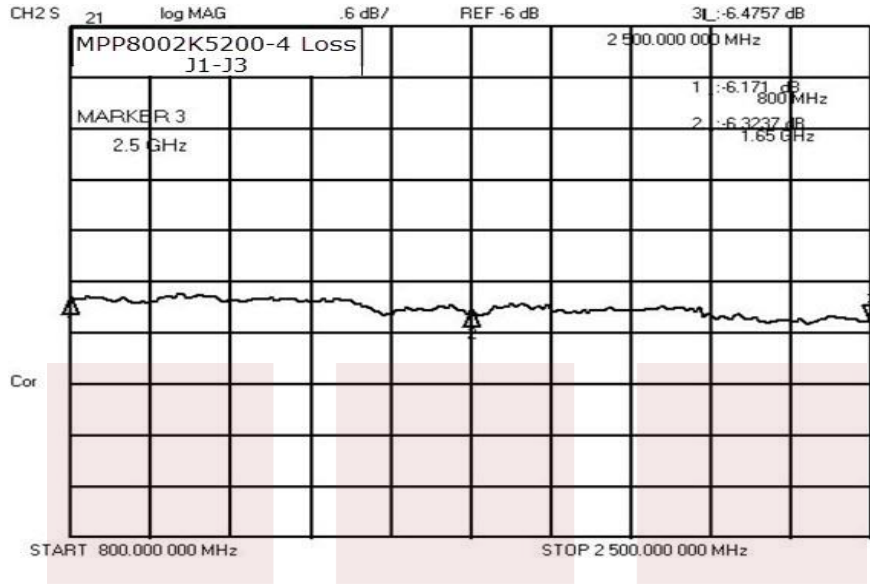
Applications:

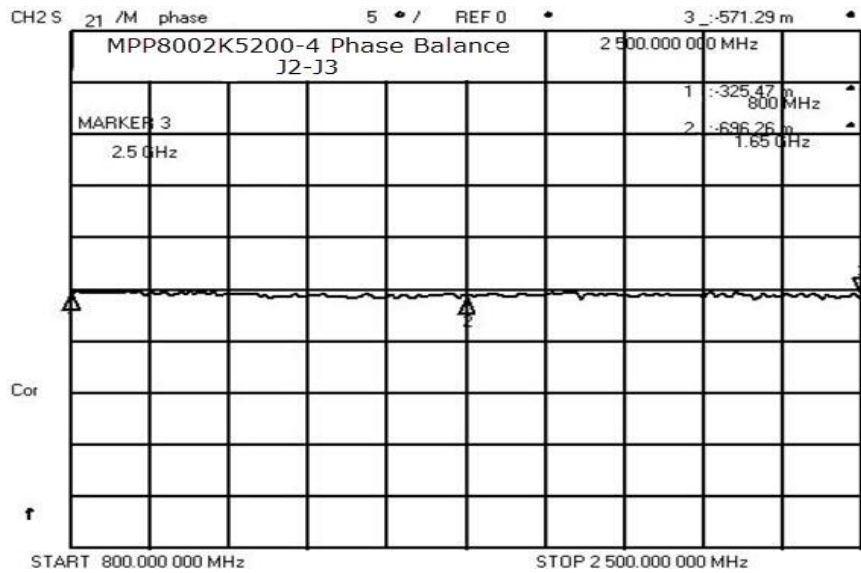
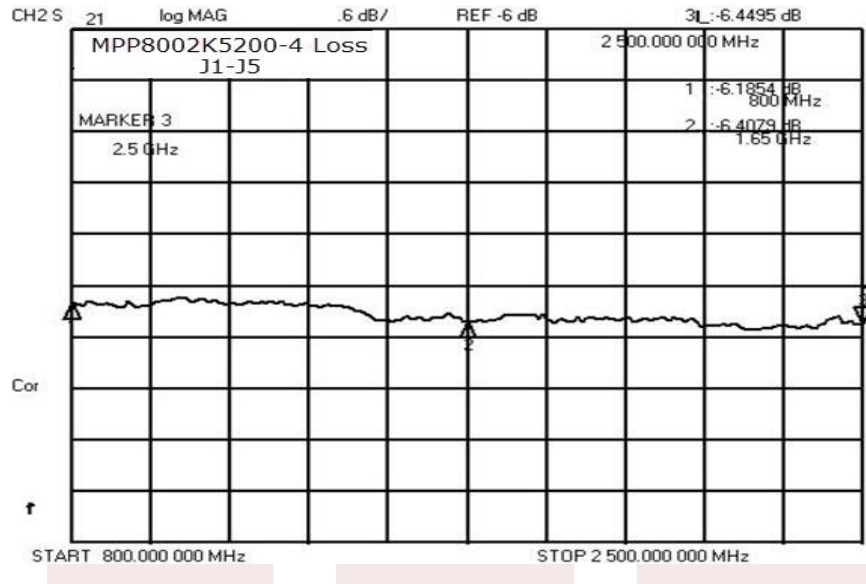
- Communications Systems
- Power Combining
- PCS,GSM,LTE, Cellular
- UMTS
- Amplifier Systems
- Amplifier Power Combining
- Wireless Infrastructures
- Defence Applications

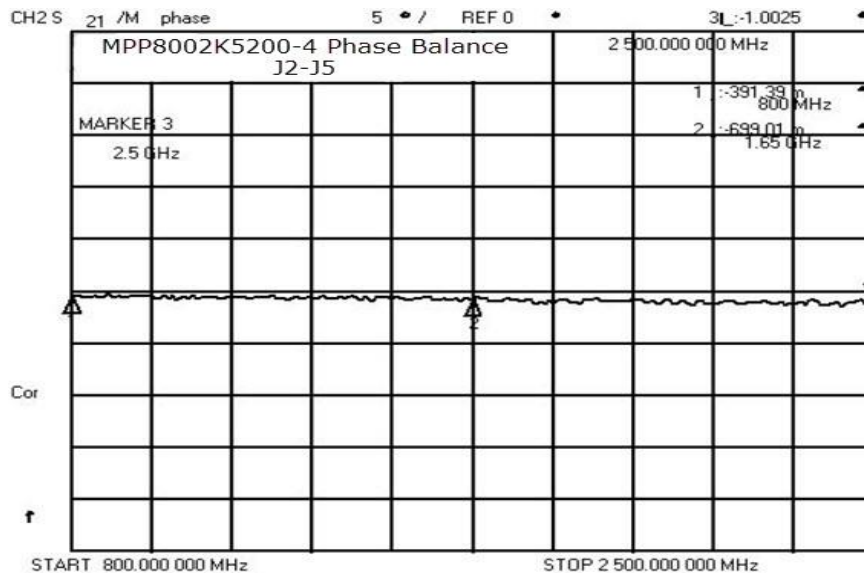
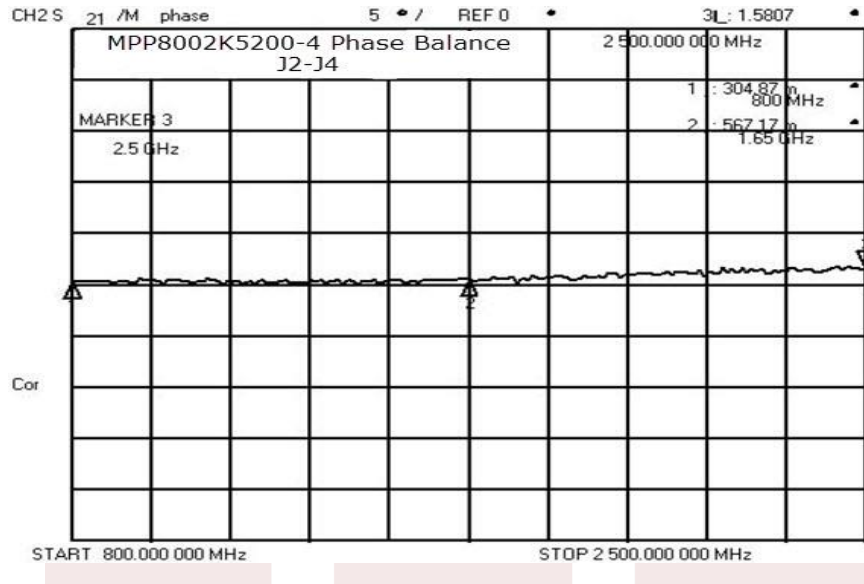
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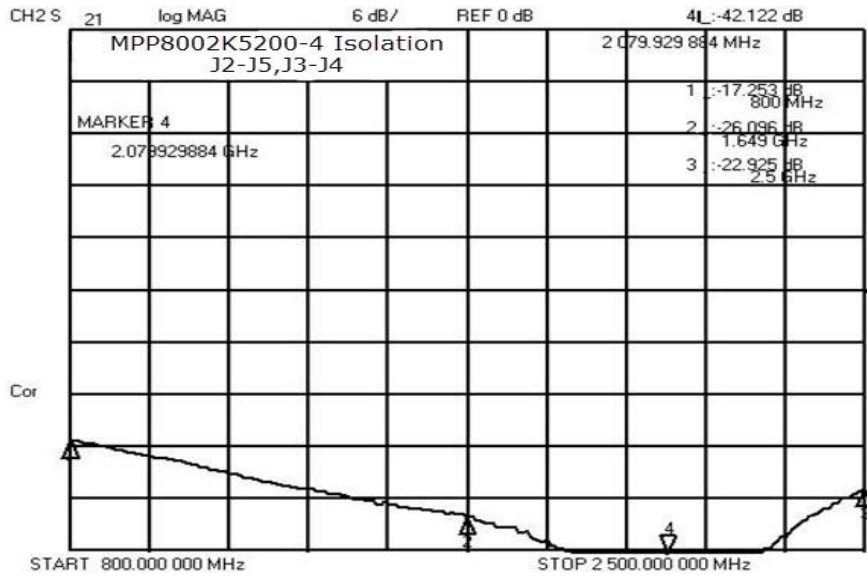
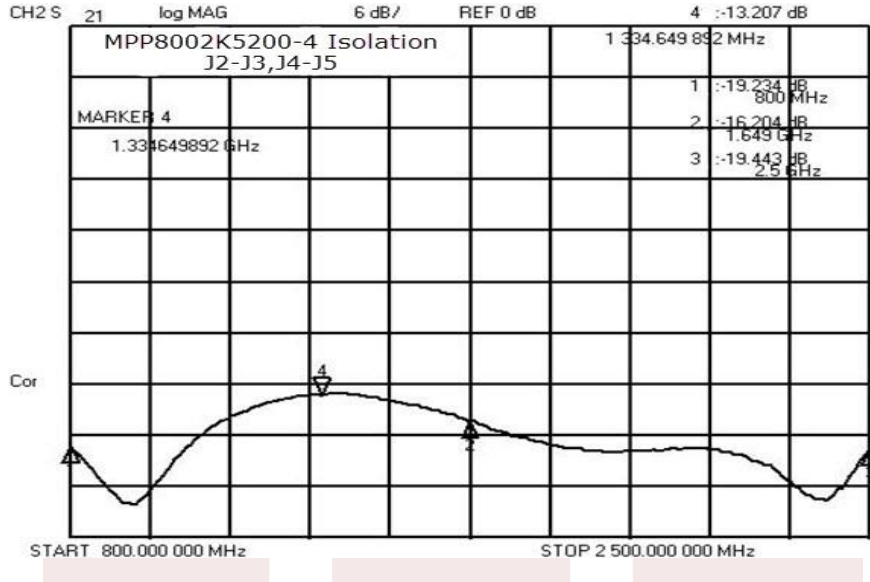
Typical Performance Data











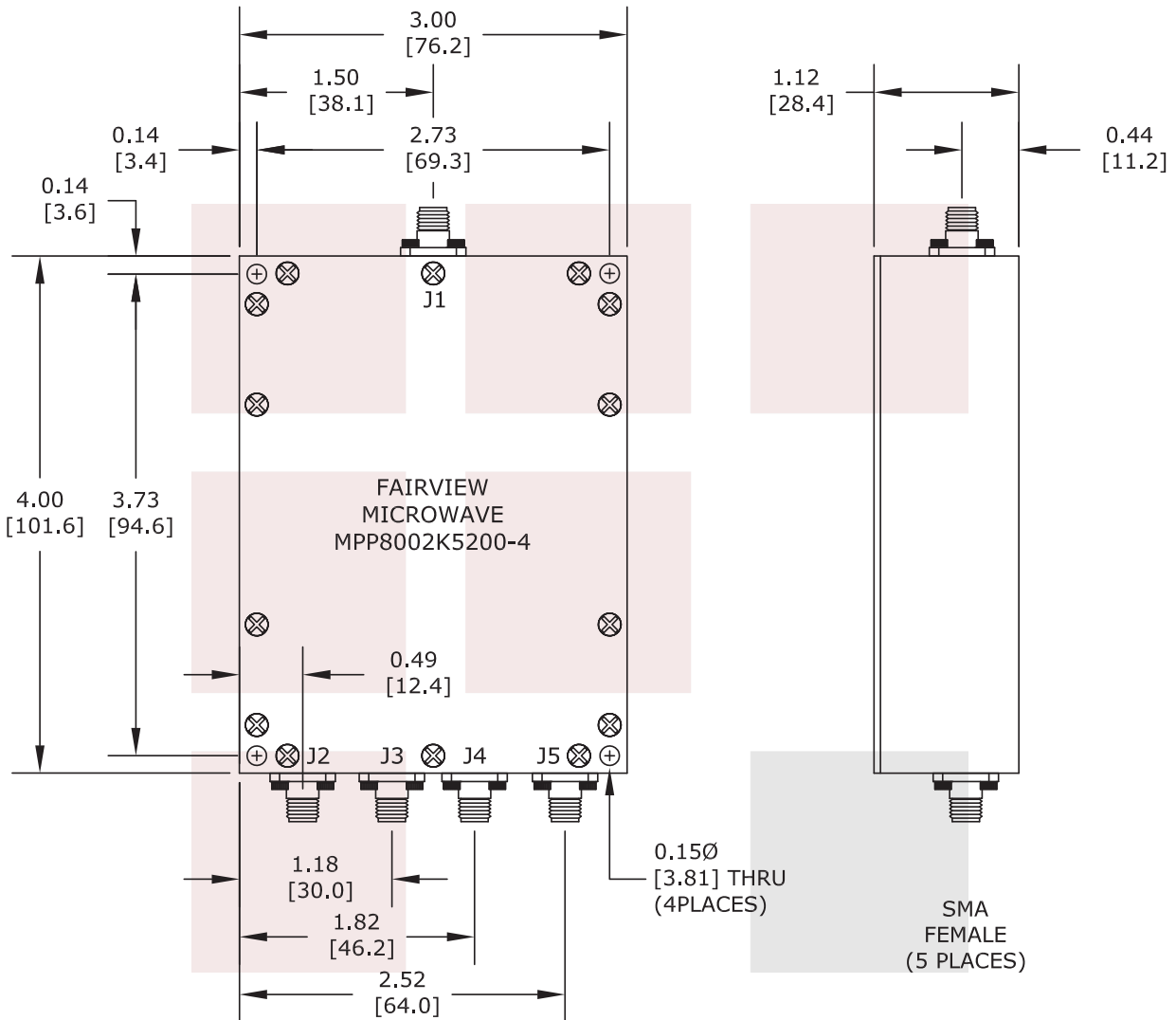
4 Way High Power Broadband Combiner SMA Connectors From 800 MHz to 2.5 GHz Rated at 200 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [4 Way High Power Broadband Combiner SMA Connectors From 800 MHz to 2.5 GHz Rated at 200 Watts MPP8002K5200-4](#)

URL: <http://www.fairviewmicrowave.com/4-way-power-combiner-sma-broadband-2.5-ghz-200-watts-mpp8002k5200-4-p.aspx>

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TITLE 4 Way High Power Broadband Combiner SMA Connectors From 800 MHz to 2.5 GHz Rated at 200 Watts		DWG NO MPP8002K5200-4		CAGE CODE 3FKR5	
CAD FILE	090814	SHEET	SCALE	N/A	SIZE A 2233