

2 Way High Power Broadband Combiner SMA Connectors From 500 MHz to 2.5 GHz Rated at 200 Watts

MPP5002K5200-2 is a 2 way High Power Broadband RF Combiner with a max input power at 200 watts operating from 500 to 2500 MHz with, 50 ohm SMA input connectors and N output connector. The MPP5002K5200-2 has greater than 13 dB typical isolation, less than 0.40 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 ± 0.2 dB. The RF Combiner operates in a temperature range from -55°C to +85°C, with a foot print of 4.70"x2"x1.10".

Configuration

Input Connectors	SMA Female
Output Connector	N Female
Frequency Range	0.5 to 2.5 GHz
Design	Reactive
Number of Input Ports	2
Housing Material and Plating	Aluminum Alloy

Electrical Specifications*

Description	Min	Typ	Max	Units
Frequency Range	0.5		2.5	GHz
Impedance		50		Ohms
Insertion Loss			0.4	dB
Input Power			200	Watts
Input VSWR			1.3:1	
Isolation	13			dB
Phase Balance		± 5		Degrees
Flatness		± 0.2		dB

* Values at 25°C, sea level

Mechanical Specifications

Temperature	
Operating Range	-55 to +85 deg C
Size	
Length	4.7 in [119.38 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	Brass, Nickel

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

RoHS Compliant	Yes
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Plotted and Other Data

- Notes:
- Values at 25 °C, sea level



Features:

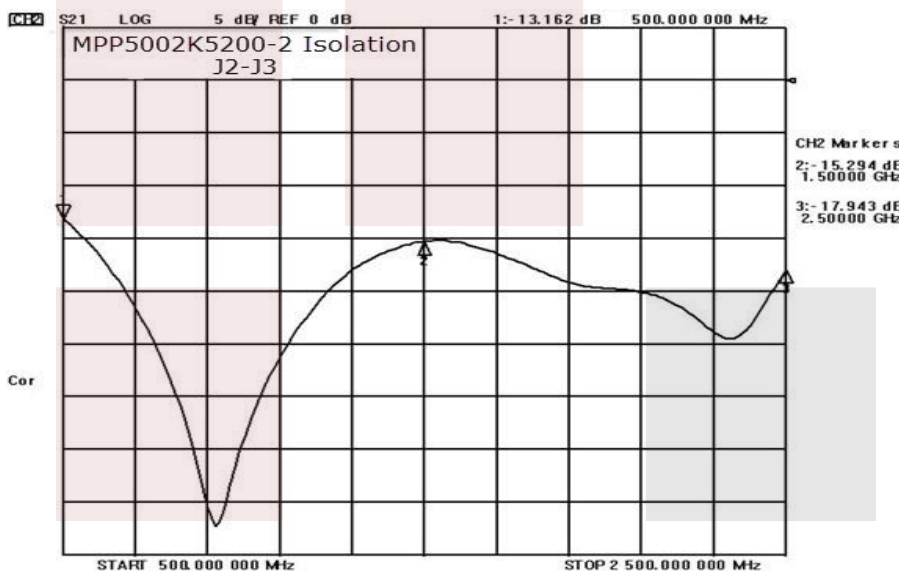
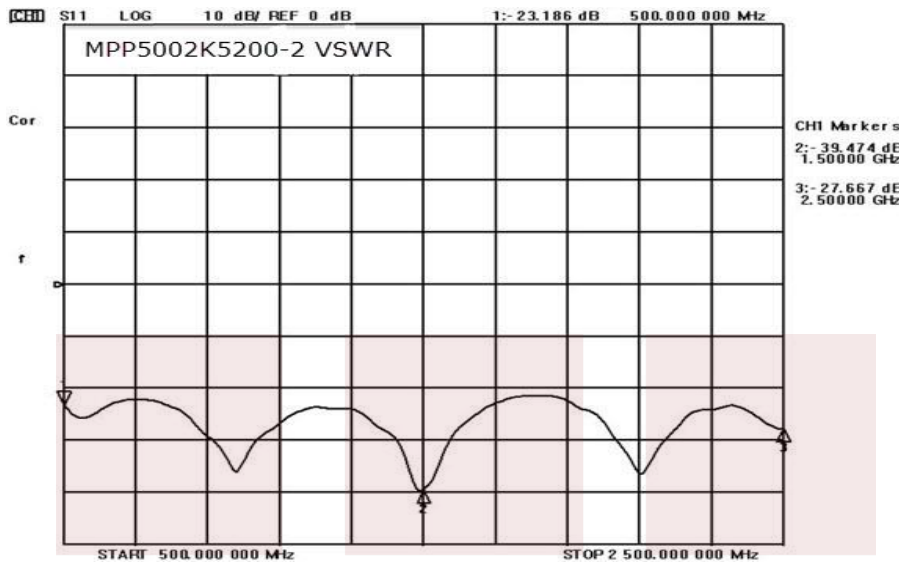
- 500 to 2500 MHz Frequency
- 200 watt max power
- Insertion Loss: < 0.4 dB
- Phase Balance: ± 5 degrees
- Amplitude Balance: ± 0.2 dB
- Isolation: >13 dB
- High Power Handling Capability

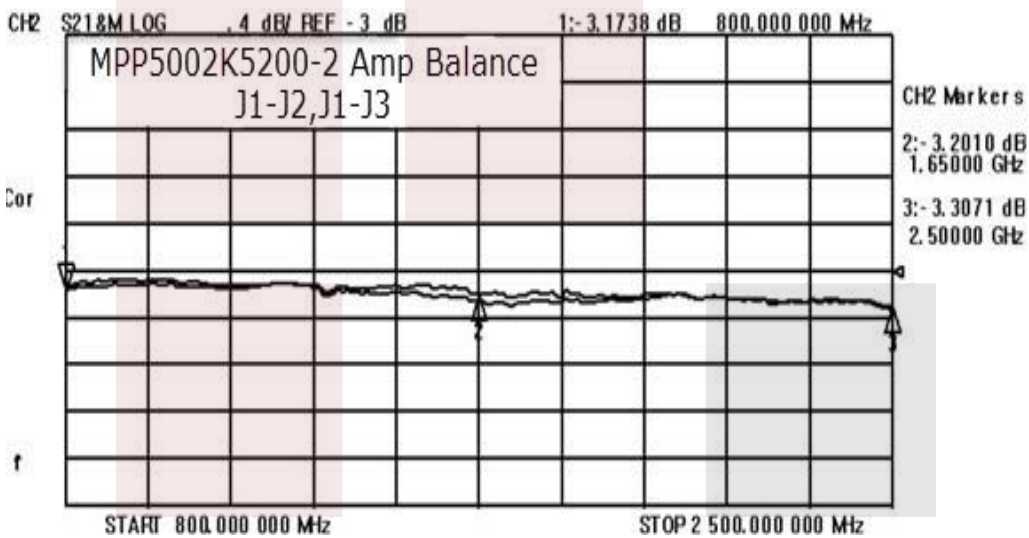
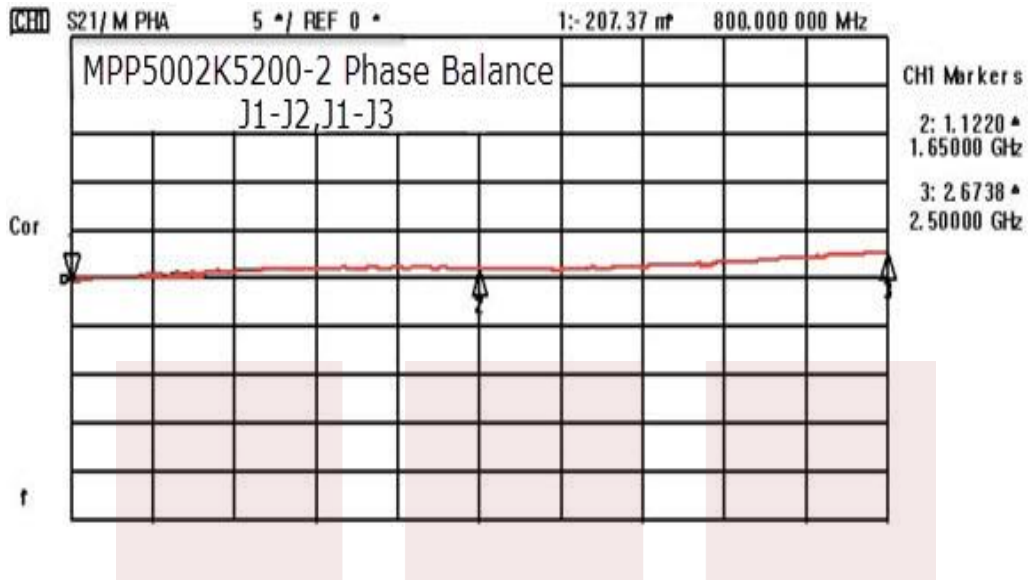
Applications:

- 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



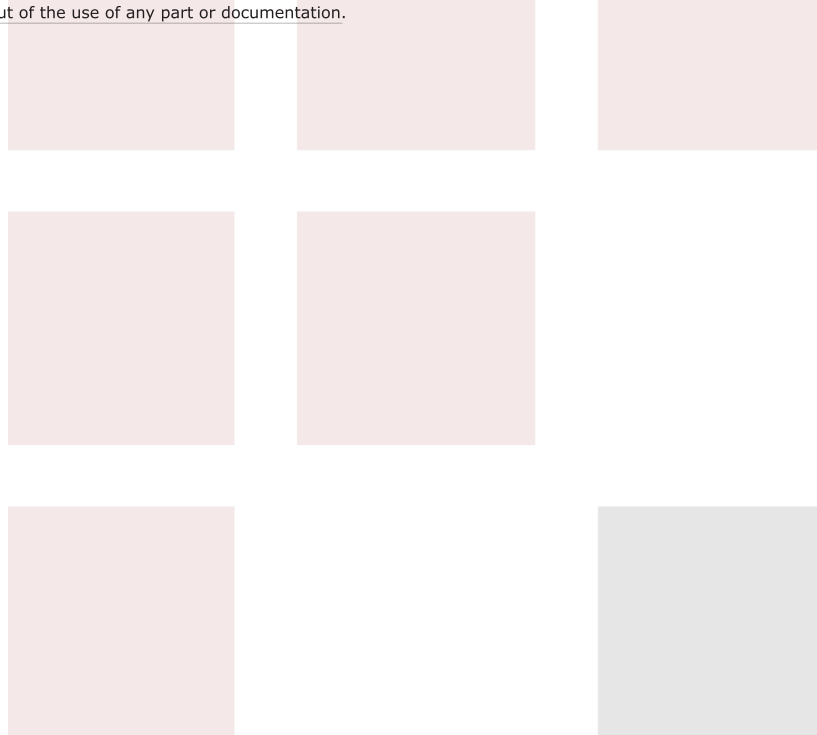


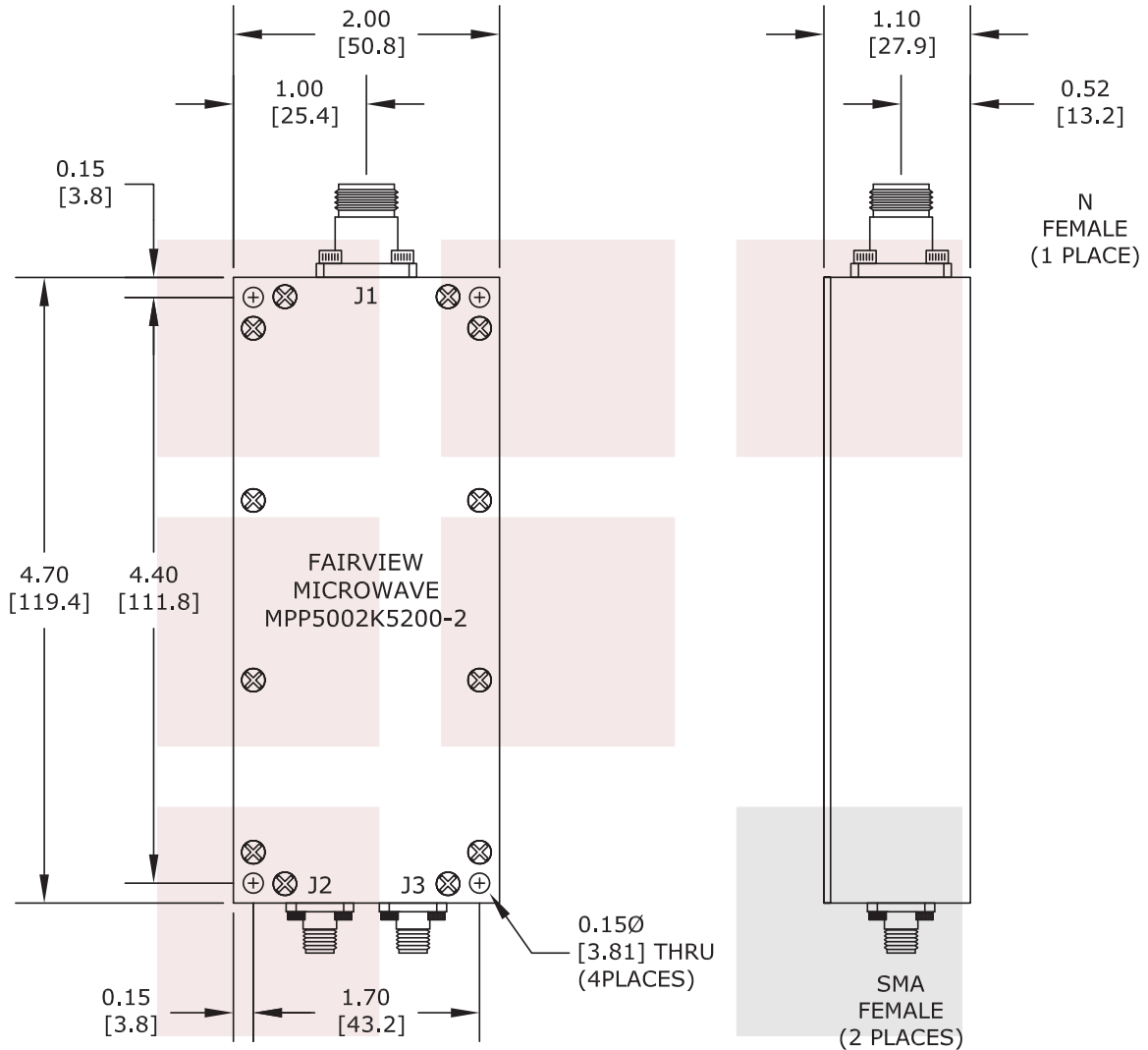
2 Way High Power Broadband Combiner SMA Connectors From 500 MHz to 2.5 GHz Rated at 200 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [2 Way High Power Broadband Combiner SMA Connectors From 500 MHz to 2.5 GHz Rated at 200 Watts MPP5002K5200-2](#)

URL: <http://www.fairviewmicrowave.com/2-way-power-combiner-sma-broadband-2.5-ghz-200-watts-mpp5002k5200-2-p.aspx>

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TITLE 2 Way High Power Broadband Combiner SMA Connectors From 500 MHz to 2.5 GHz Rated at 200 Watts		DWG NO MPP5002K5200-2		CAGE CODE 3FKR5	
CAD FILE	090814	SHEET	SCALE	N/A	SIZE A 2233