

**4 Way High Power Broadband Combiner SMA Connectors From 80 MHz to 1,000 MHz Rated at 200 Watts**

MPP0801K0200-4 is a 4 way High Power Broadband RF Combiner with a max input power at 200 watts operating from 80 to 1000 MHz with 50 ohm SMA connectors. The MPP0801K0200-4 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  $\pm 5$  degrees and an amplitude balance of  $\pm 0.25$  dB. The RF Combiner operates in a temperature range from  $-55^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ , with a foot print of 4"x3"x1.12".

**Configuration**

Input Connectors	SMA Female
Output Connector	SMA Female
Frequency Range	80 to 1,000 MHz
Design	Reactive
Number of Input Ports	4
Housing Material and Plating	Aluminum Alloy

**Electrical Specifications\***

Description	Min	Typ	Max	Units
Frequency Range	80		1,000	MHz
Impedance		50		Ohms
Insertion Loss			0.75	dB
Input Power			200	Watts
Input VSWR			1.3:1	
Isolation	12			dB
Phase Balance		$\pm 5$		Degrees
Flatness		$\pm 0.25$		dB

\* Values at 25°C, sea level

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Range	80-125	125-1,000				MHz
Min Isolation	12	13				dB

**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



**Features:**

- 80 to 1000 MHz Frequency
- 200 watt max power
- Insertion Loss: < 0.75 dB
- Phase Balance:  $\pm 5$  degrees
- Amplitude Balance:  $\pm 0.25$  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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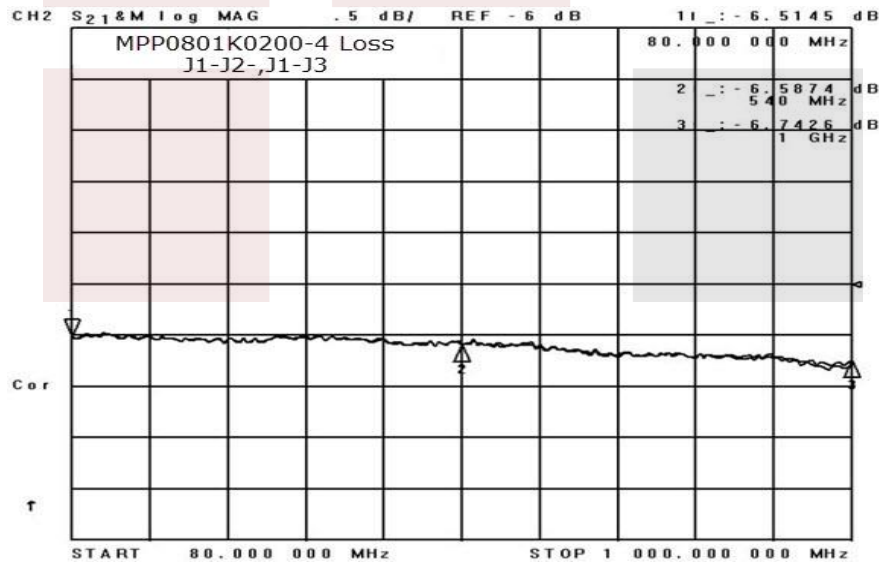
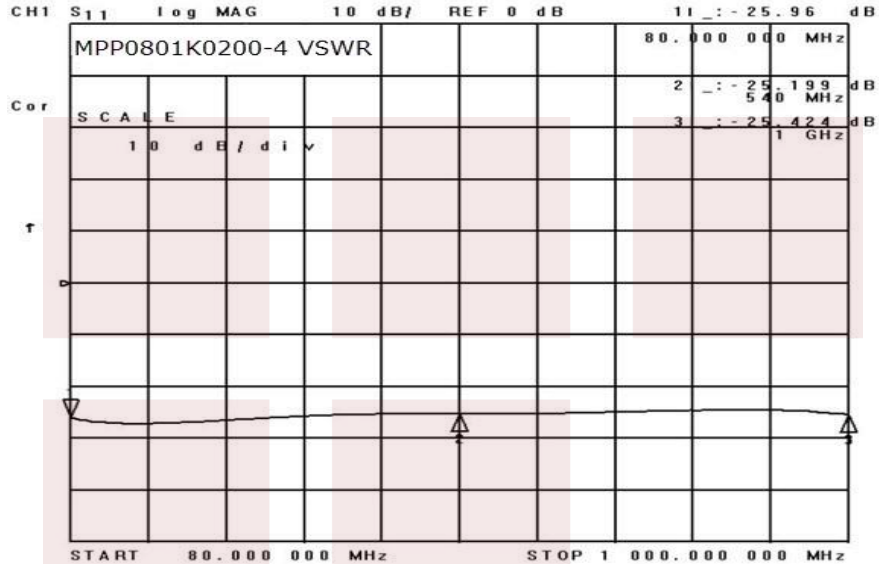
**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)  
 RoHS Compliant Yes

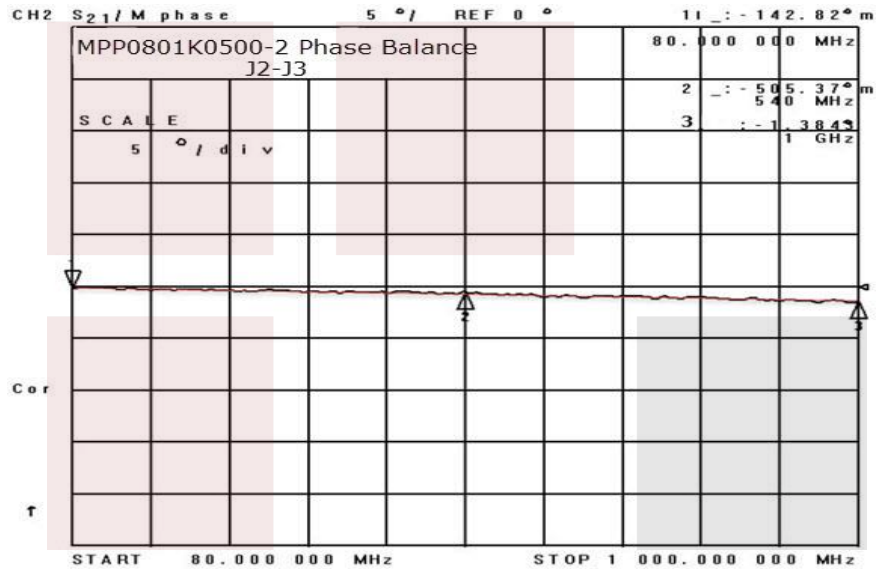
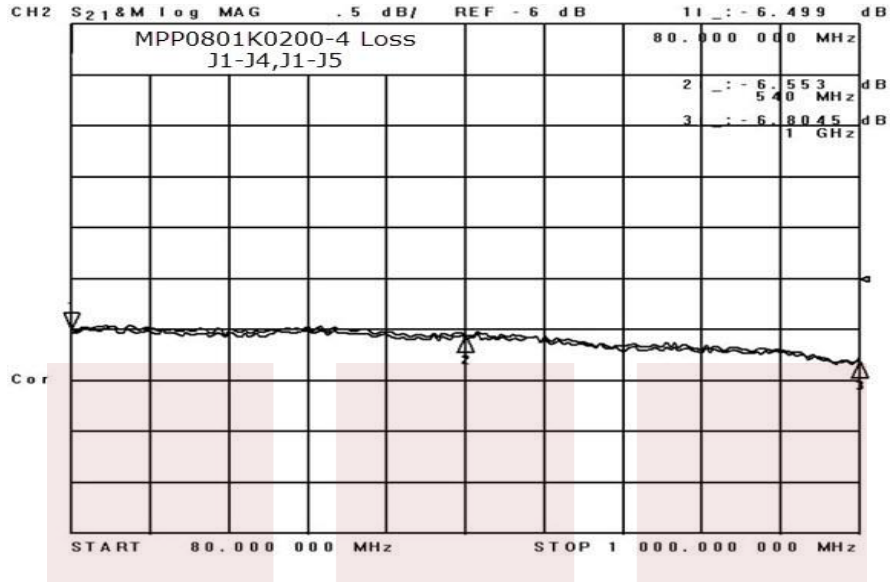
**Plotted and Other Data**

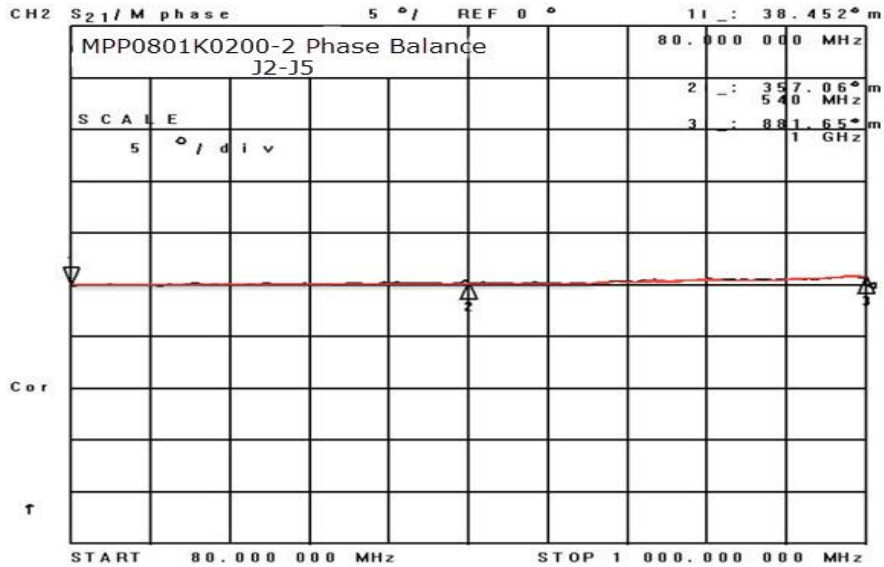
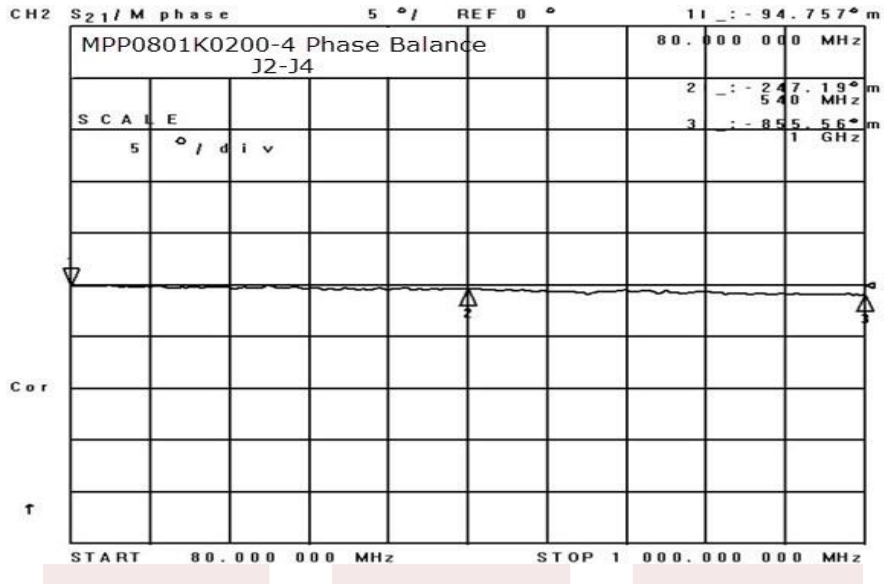
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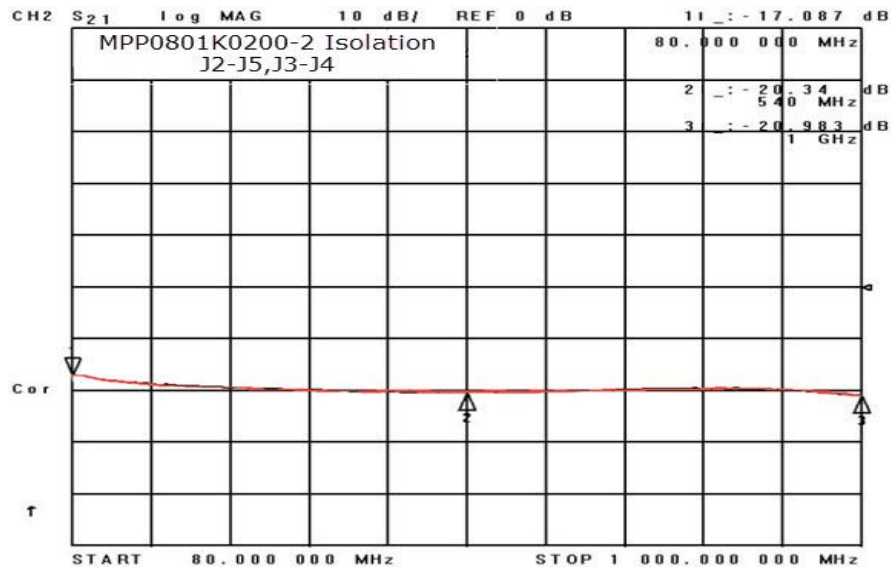
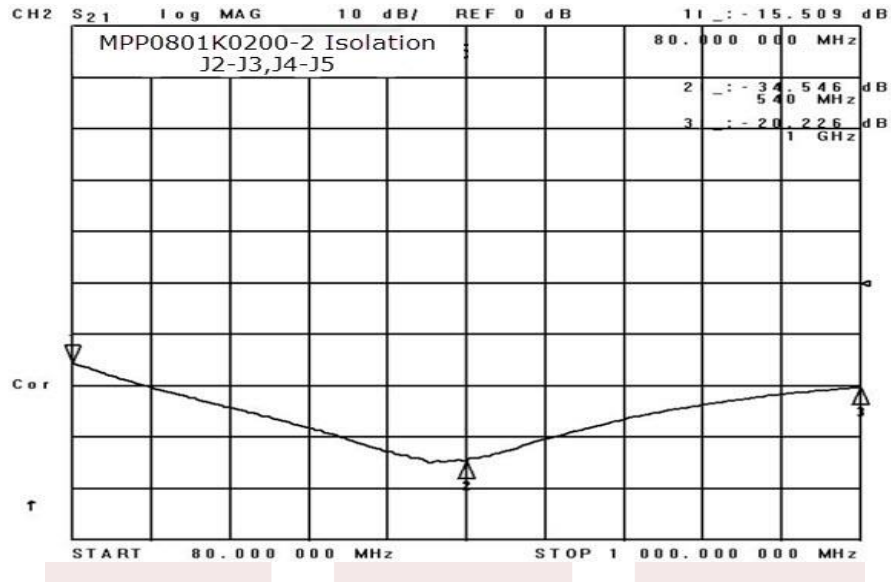
- Values at 25 °C, sea level

**Typical Performance Data**









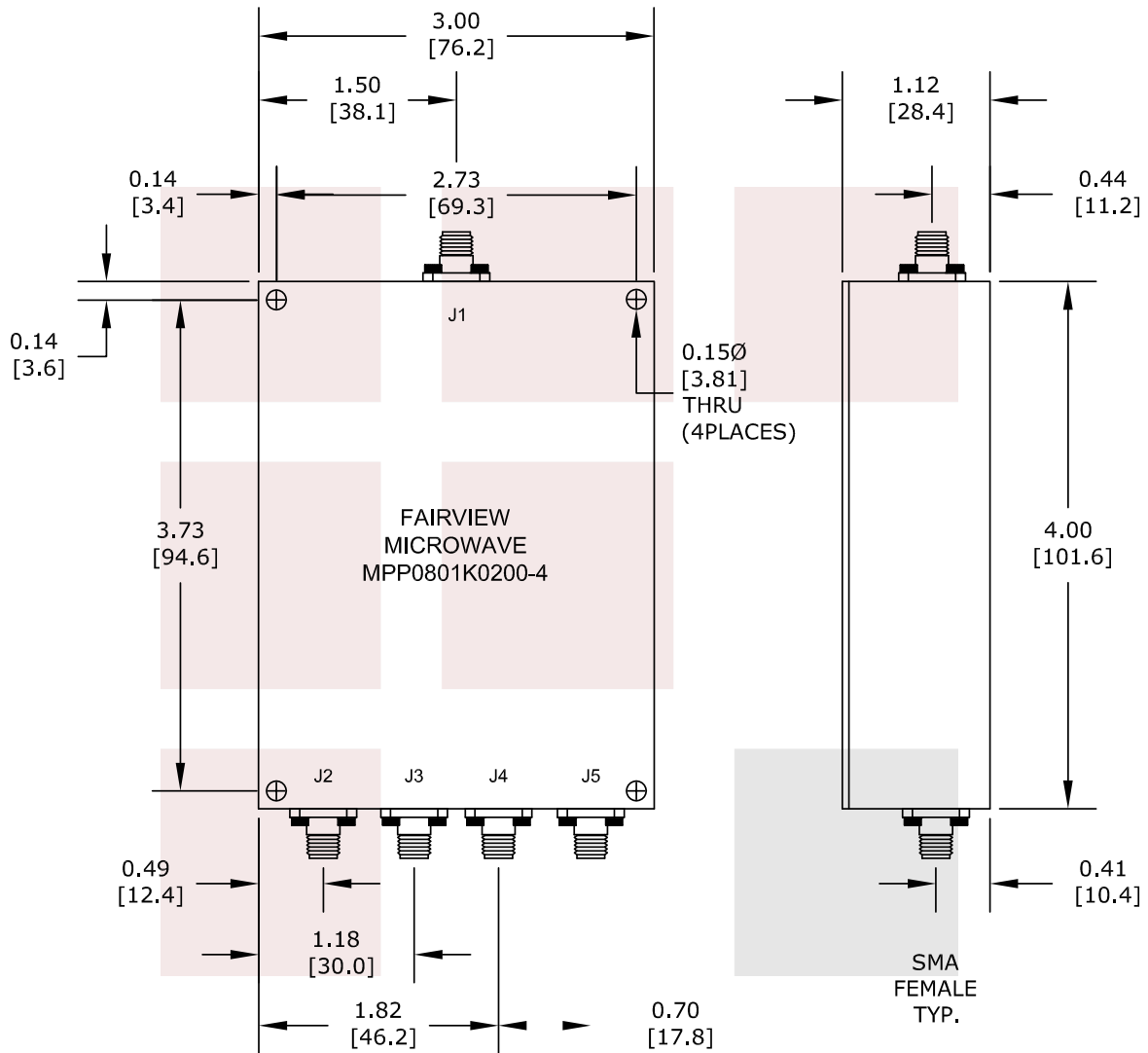
4 Way High Power Broadband Combiner SMA Connectors From 80 MHz to 1,000 MHz Rated at 200 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [4 Way High Power Broadband Combiner SMA Connectors From 80 MHz to 1,000 MHz Rated at 200 Watts MPP0801K0200-4](#)

URL: <http://www.fairviewmicrowave.com/4-way-power-combiner-sma-broadband-1000-mhz-200-watts-mpp0801k0200-4-p.aspx>

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TITLE 4 Way High Power Broadband Combiner SMA Connectors From 80 MHz to 1,000 MHz Rated at 200 Watts		DWG NO MPP0801K0200-4		CAGE CODE 3FKR5	
CAD FILE	091914	SHEET	SCALE	N/A	SIZE A 2233