

**2 Way High Power Broadband Combiner N Connectors From 800 MHz to 2.5 GHz Rated at 800 Watts**

MPP8002K5800-2 is a 2 way High Power Broadband RF Combiner with a max input power at 800 watts operating from 800 to 2500 MHz with, 50 ohm N Input connectors and SC Output connector. The MPP8002K5800-2 has greater than 7.5 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  $\pm 5$  degrees and an amplitude balance of  $\pm 0.2$  dB. The RF Combiner operates in a temperature range from  $-55^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ , with a foot print of 4.50"x3"x1.15".

**Configuration**

Input Connectors	N Female
Output Connector	SC Female
Frequency Range	0.8 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	0.8		2.5	GHz
Impedance		50		Ohms
Insertion Loss			0.6	dB
Input Power			800	Watts
Input VSWR			1.3:1	
Isolation	7.5			dB
Phase Balance		$\pm 5$		Degrees
Flatness		$\pm 0.2$		dB

\* Values at 25°C, sea level

**Mechanical Specifications**

**Temperature**

Operating Range -55 to +85 deg C

**Size**

Length 4.5 in [114.3 mm]  
Width 3 in [76.2 mm]  
Height 1.15 in [29.21 mm]

**Connectors**

Description	Input Connector	Output Connector
Connector Material	Brass, Nickel	Brass, Nickel

**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

RoHS Compliant Yes

**Plotted and Other Data**

Notes:

- Values at 25 °C, sea level



**Features:**

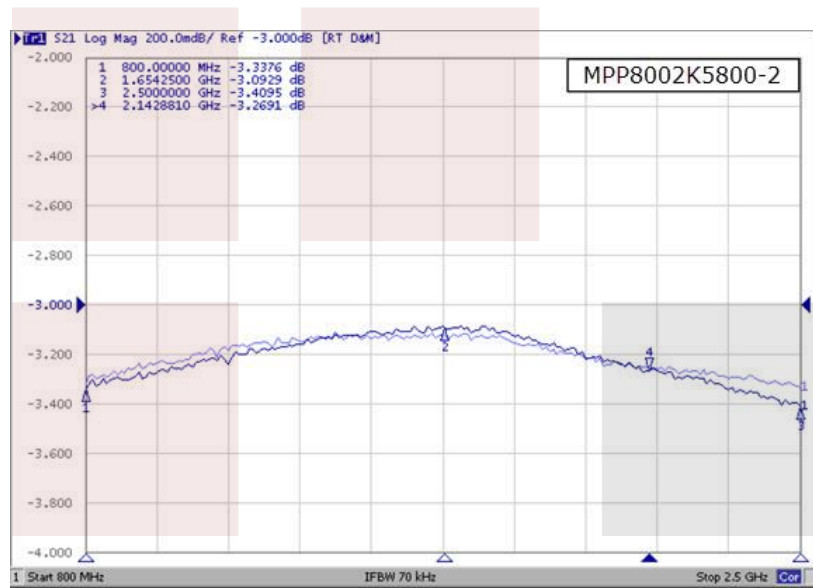
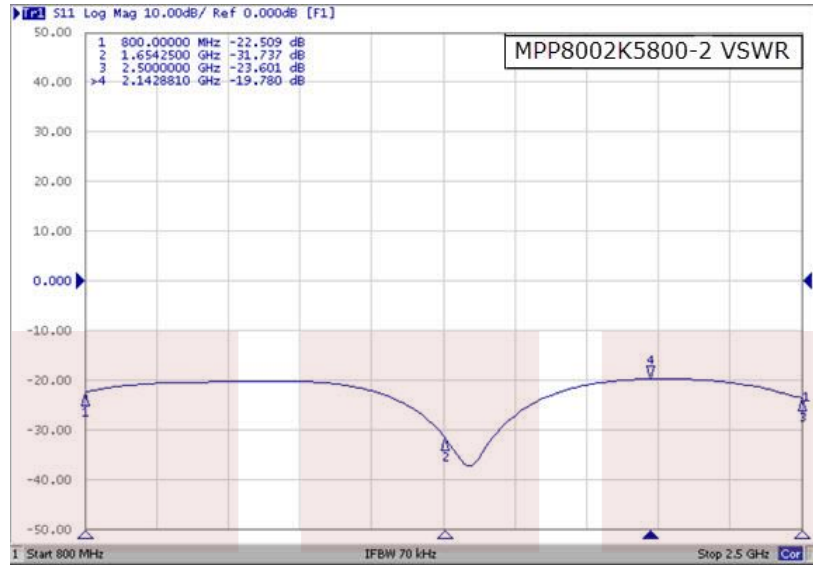
- 800 to 2500 MHz Frequency
- 800 watt max power
- Insertion Loss: < 0.60 dB
- Phase Balance:  $\pm 5$  degrees
- Amplitude Balance:  $\pm 0.2$  dB
- Isolation: >7.5 dB
- High Power Handling Capability

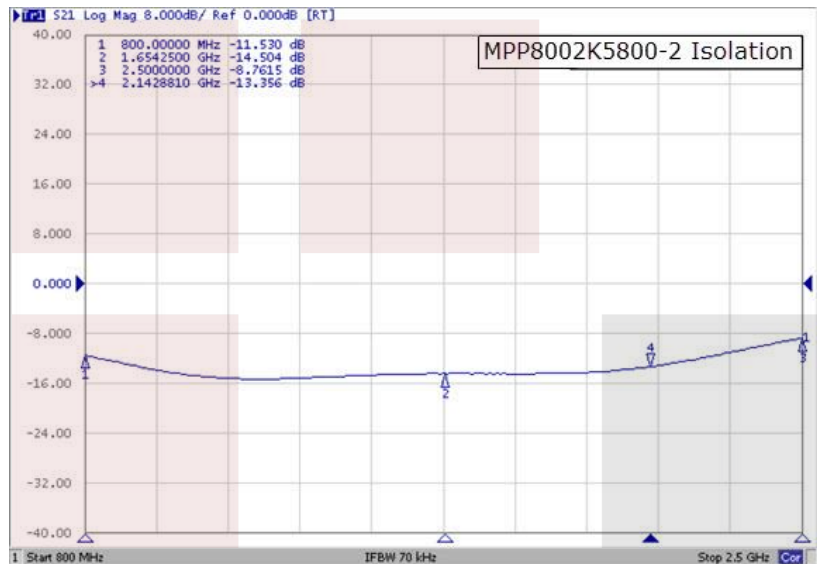
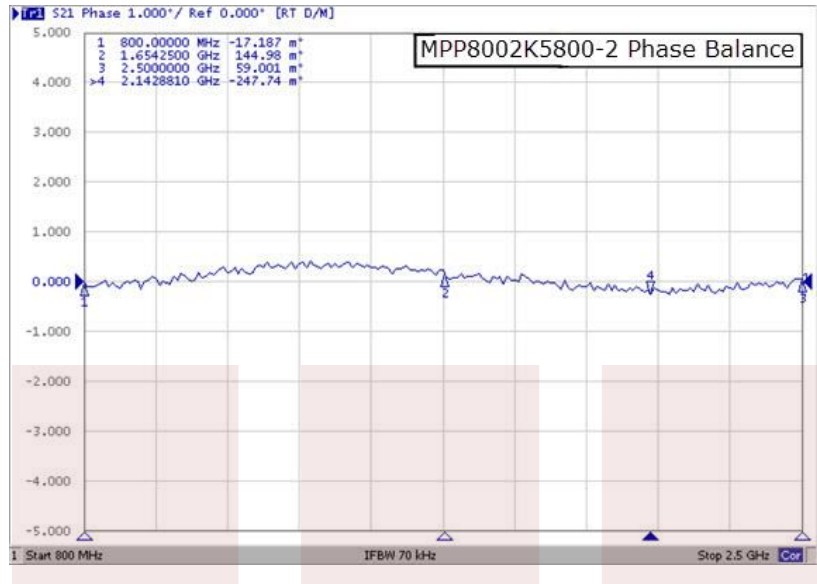
**Applications:**

- 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**





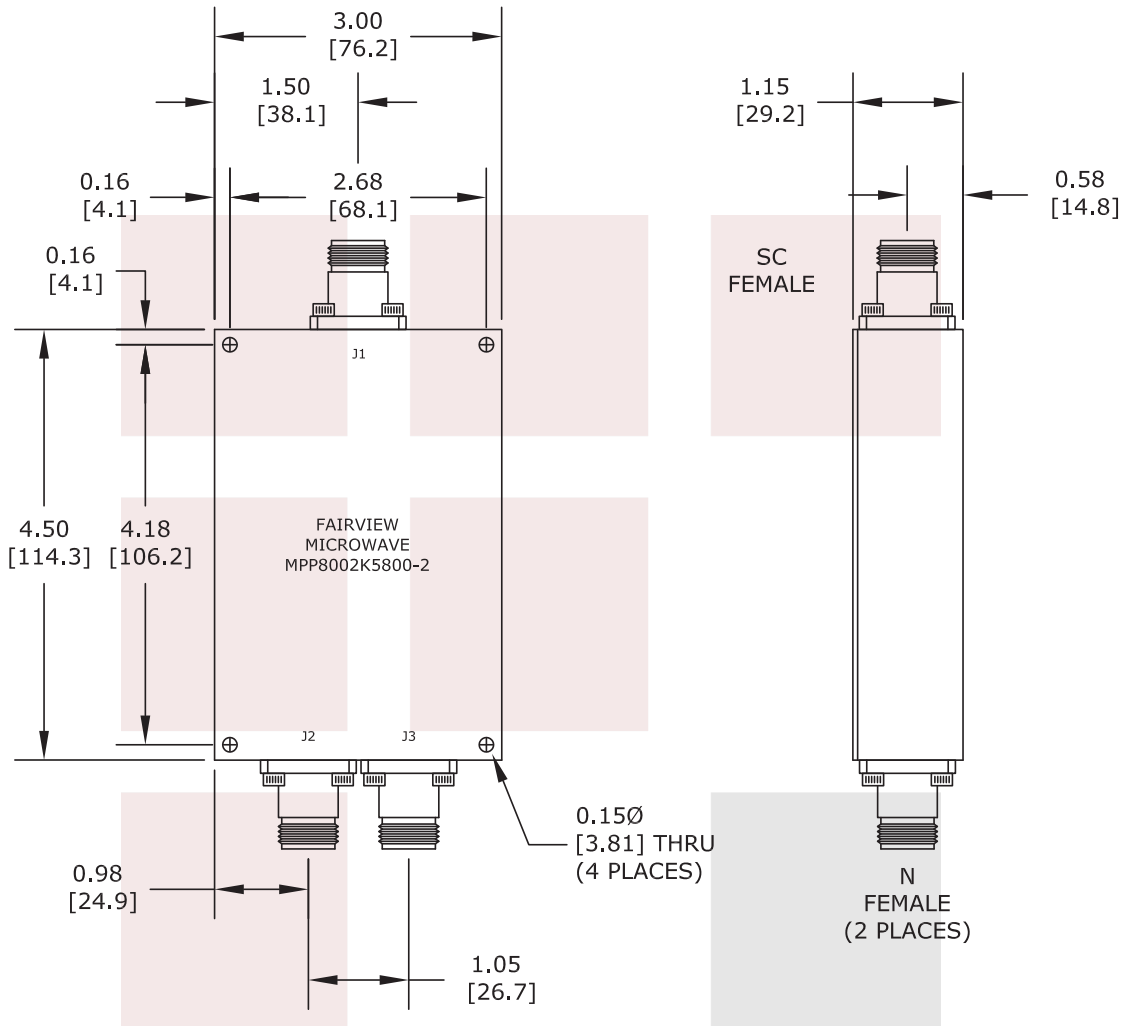
2 Way High Power Broadband Combiner N Connectors From 800 MHz to 2.5 GHz Rated at 800 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave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

For additional information on this product, please click the following link: [2 Way High Power Broadband Combiner N Connectors From 800 MHz to 2.5 GHz Rated at 800 Watts MPP8002K5800-2](#)

URL: <http://www.fairviewmicrowave.com/2-way-power-combiner-n-broadband-2.5-ghz-800-watts-mpp8002k5800-2-p.aspx>

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TITLE 2 Way High Power Broadband Combiner N Connectors From 800 MHz to 2.5 GHz Rated at 800 Watts		DWG NO MPP8002K5800-2		CAGE CODE 3FKR5	
CAD FILE	091914	SHEET	SCALE	N/A	SIZE A 2233