

2 Way High Power Broadband Combiner N Connectors From 20 MHz to 1,000 MHz Rated at 500 Watts

MPP0201K0500-2 is a 2 way High Power Broadband RF Combiner with a max input power at 500 watts operating from 20 to 1000 MHz with 50 ohm N connectors. The MPP0201K0500-2 has greater than 10 dB typical isolation, less than 0.80 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 5"x4.35"x1.58".

Configuration

Input Connectors	N Female
Output Connector	N Female
Frequency Range	20 to 1,000 MHz
Design	Reactive
Number of Input Ports	2
Housing Material and Plating	Aluminum Alloy

Electrical Specifications*

Description	Min	Typ	Max	Units
Frequency Range	20		1,000	MHz
Impedance		50		Ohms
Insertion Loss			0.8	dB
Input Power			500	Watts
Input VSWR			1.3:1	
Isolation	10			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	5 in [127 mm]
Width	4.35 in [110.49 mm]
Height	1.58 in [40.13 mm]

Connectors

Description	Input Connector	Output Connector
Connector Material	Brass, Nickel	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:

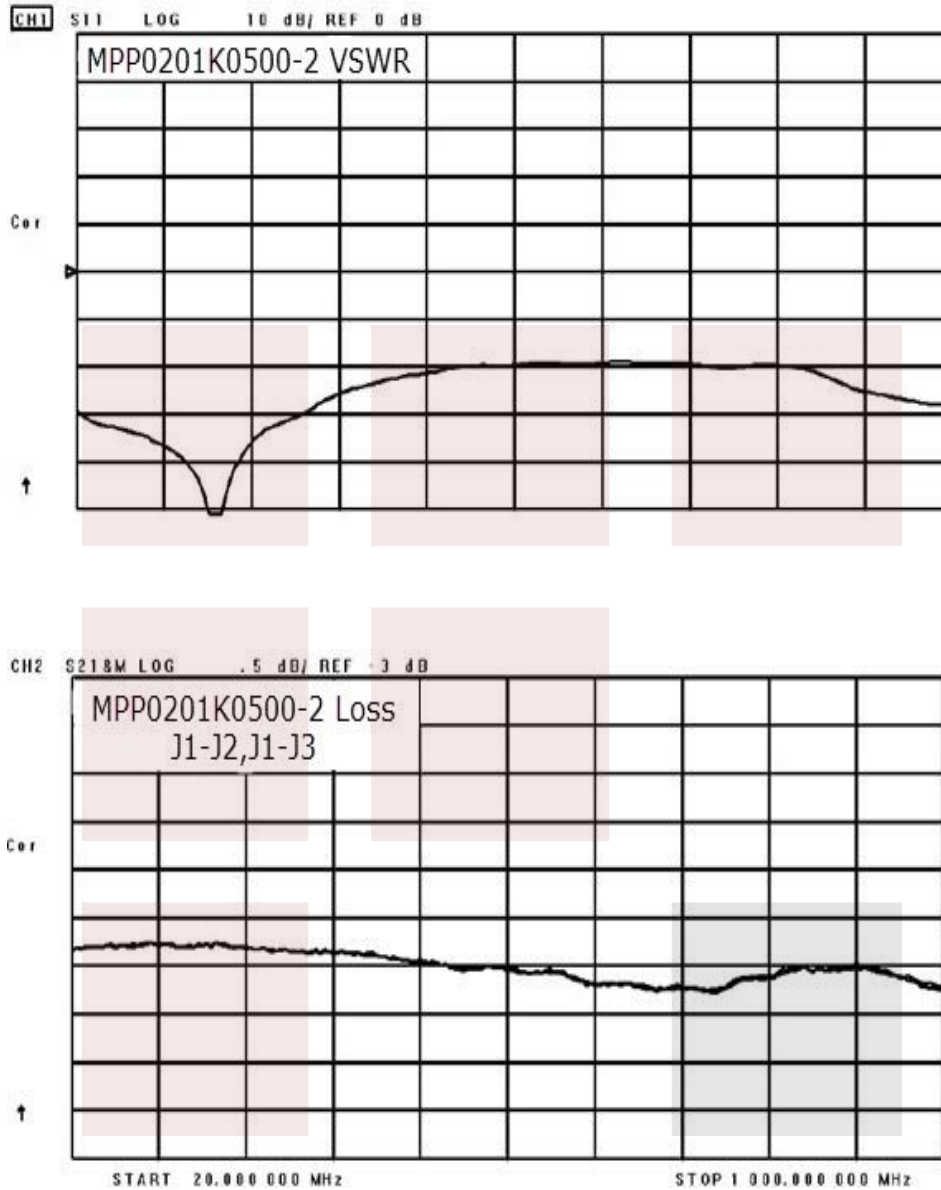
- 20 to 1000 MHz Frequency
- 500 watt max power
- Insertion Loss: < 0.80 dB
- Phase Balance: ±5 degrees
- Amplitude Balance: ±0.2 dB
- Isolation: >10 dB
- High Power Handling Capability

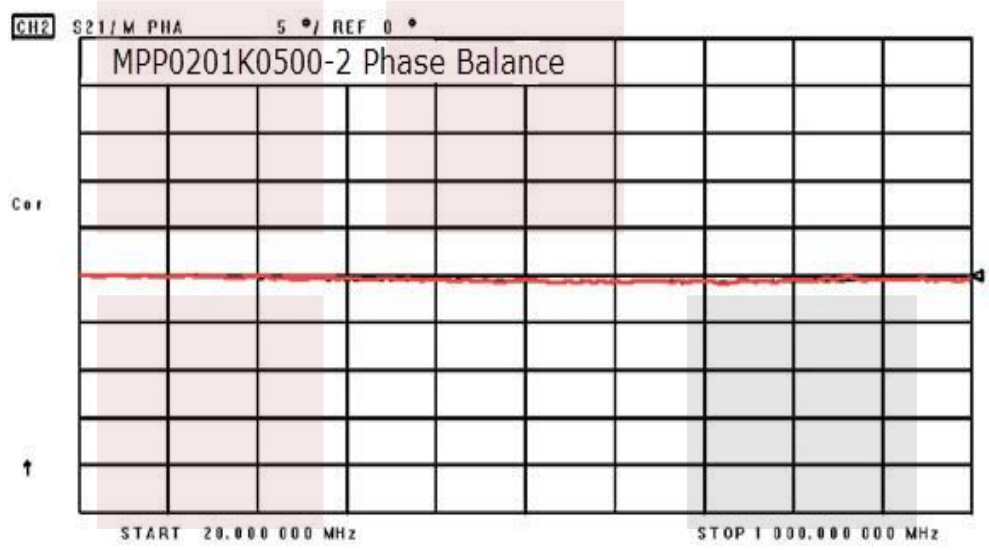
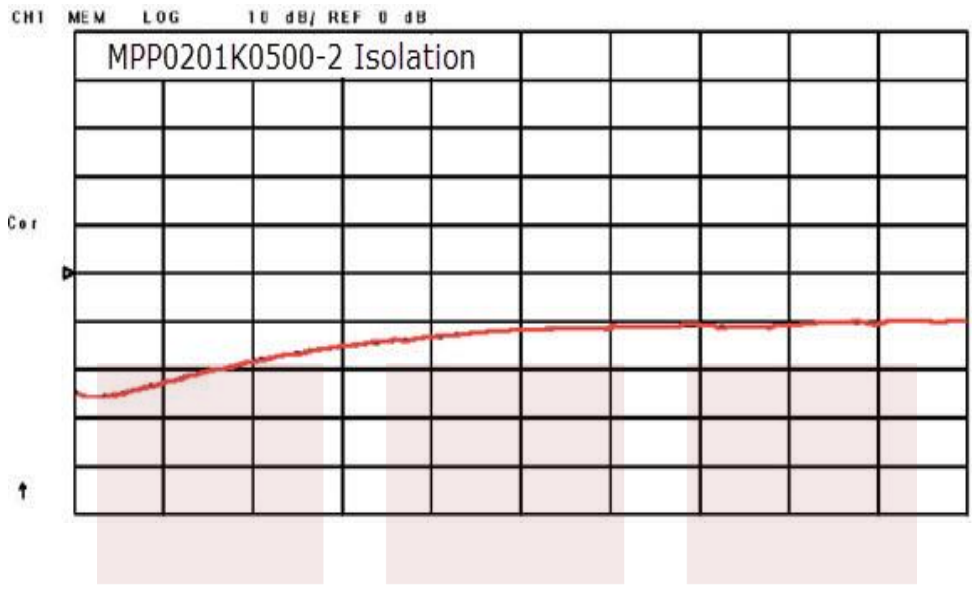
Applications:

- 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





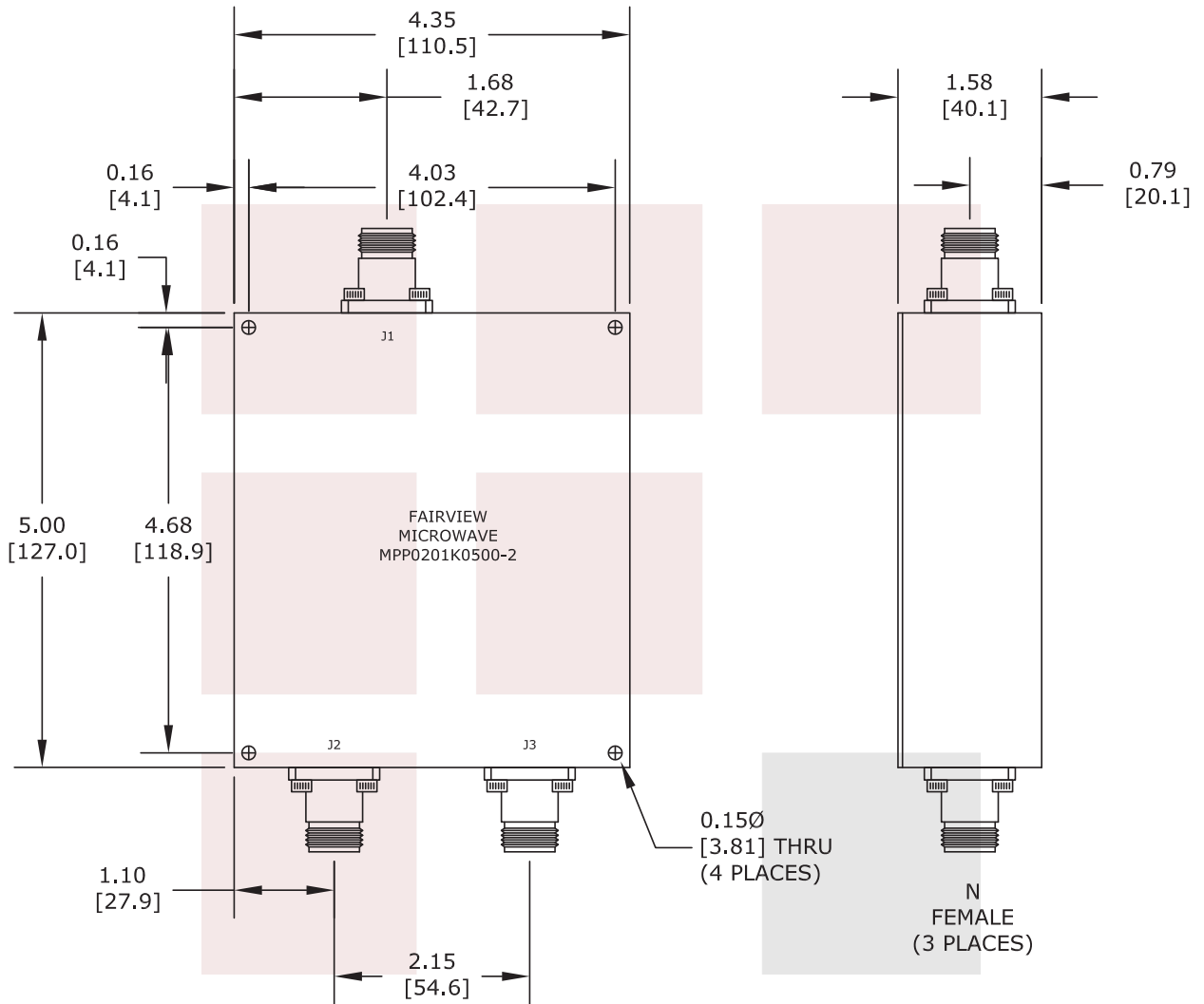
2 Way High Power Broadband Combiner N Connectors From 20 MHz to 1,000 MHz Rated at 500 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [2 Way High Power Broadband Combiner N Connectors From 20 MHz to 1,000 MHz Rated at 500 Watts MPP0201K0500-2](#)

URL: <http://www.fairviewmicrowave.com/2-way-power-combiner-n-broadband-1000-mhz-500-watts-mpp0201k0500-2-p.aspx>

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TITLE 2 Way High Power Broadband Combiner N Connectors From 20 MHz to 1,000 MHz Rated at 500 Watts		DWG NO MPP0201K0500-2		CAGE CODE 3FKR5	
CAD FILE	091914	SHEET	SCALE	N/A	SIZE A 2233