

2 Way High Power Broadband Combiner N Connectors From 800 MHz to 2.5 GHz Rated at 600 Watts

MPP8002K5600-2 is a 2 way High Power Broadband RF Combiner with a max input power at 600 watts operating from 800 to 2500 MHz with 50 ohm N connectors. The MPP8002K5600-2 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 ± 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 4.50"x3"x1.15".

Configuration

Input Connectors	N Female
Output Connector	N 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			600	Watts
Output VSWR			1.3:1	
Isolation	7.5			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
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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 for current document)

RoHS Compliant	Yes
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Plotted and Other Data

Notes:

- Values at 25 °C, sea level



Features:

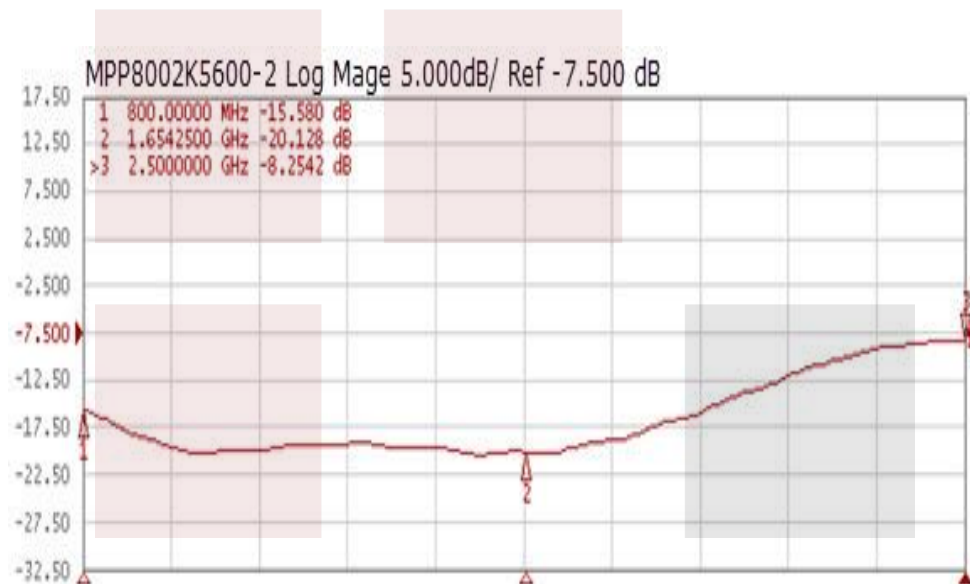
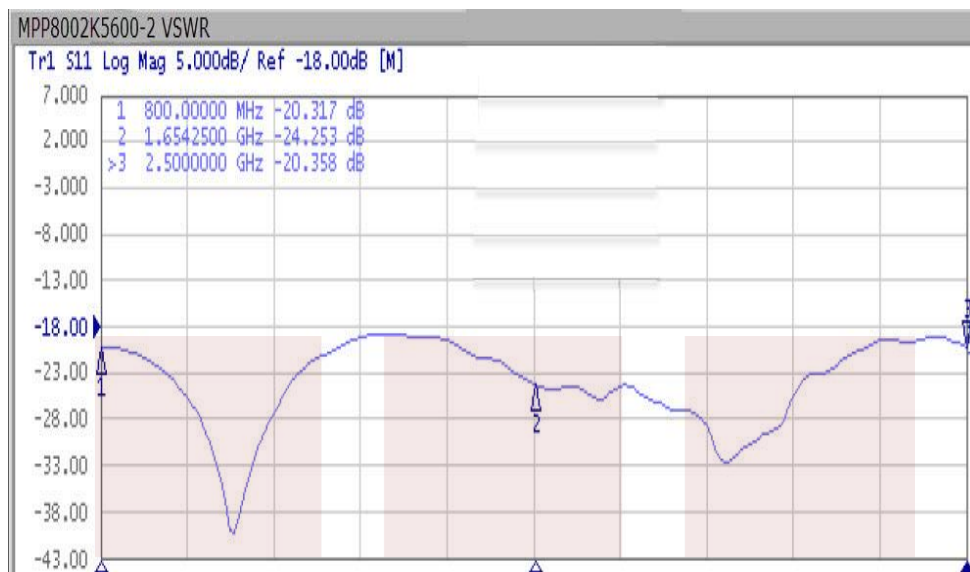
- 800 to 2500 MHz Frequency
- 600 watt max power
- Insertion Loss: < 0.60 dB
- Phase Balance: ± 5 degrees
- Amplitude Balance: ± 0.20 dB
- Isolation: > 7.5 dB
- High Power Handling Capability

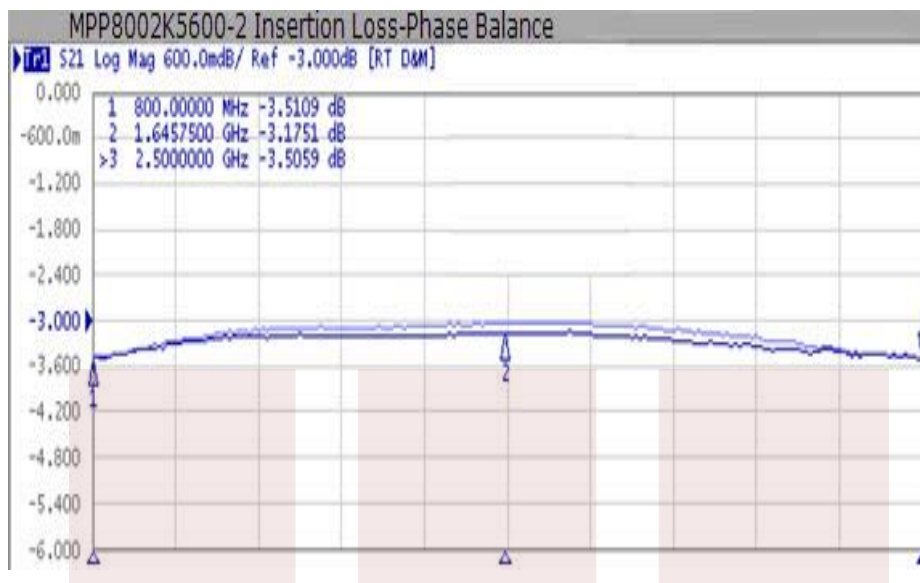
Applications:

- 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



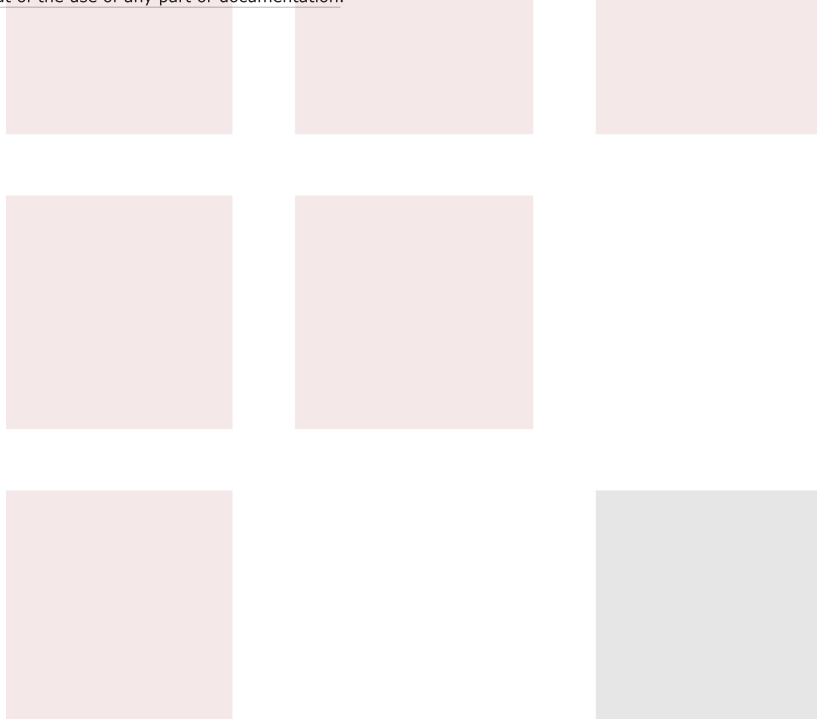


2 Way High Power Broadband Combiner N Connectors From 800 MHz to 2.5 GHz Rated at 600 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave 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 600 Watts MPP8002K5600-2](#)

URL: <http://www.fairviewmicrowave.com/2-way-power-combiner-n-broadband-2.5-ghz-600-watts-mpp8002k5600-2-p.aspx>

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