

4 Way Broadband Combiner SMA Interface from 800 MHz to 4.2 GHz

MPP8004K2200-4 is a 4 way High Power Broadband RF Combiner with max power at 200 watts operating from 800 to 4200 MHz with, 50 ohm SMA input connectors and N output connector. The MPP8004K2200-4 has greater than 8 dB typical isolation, less than 1.0 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 ± 0.25 dB. The RF Combiner operates in a temperature range from -55°C to +85°C, with a foot print of 5.20"x3.90"x1.17".

Electrical Specifications

Design			Reactive	
Number of Input Ports			4	
Description	Min	Typ	Max	Units
Frequency Range	0.8		4.2	GHz
Impedance		50		Ohms
Output VSWR			1.3:1	
Insertion Loss			1	dB
Isolation	8			dB
Amplitude Balance		± 0.25		dB
Phase Balance		± 5		Degrees
Power Handling (CW)			200	Watts
**See Electrical Notes				

Electrical Specification Notes:
 The device is intended for coherent signal combining.

Mechanical Specifications

Size	
Length	5.2 in [132.08 mm]
Width	3.9 in [99.06 mm]
Height	1.17 in [29.72 mm]
Weight	1.9065 lbs [864.77 g]
Housing Material and Plating	Aluminum Alloy
Configuration	
Input Connector	SMA Female
Output Connectors	N Female

Environmental Specifications

Temperature	
Operating Range	-55 to +85 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:



Features:

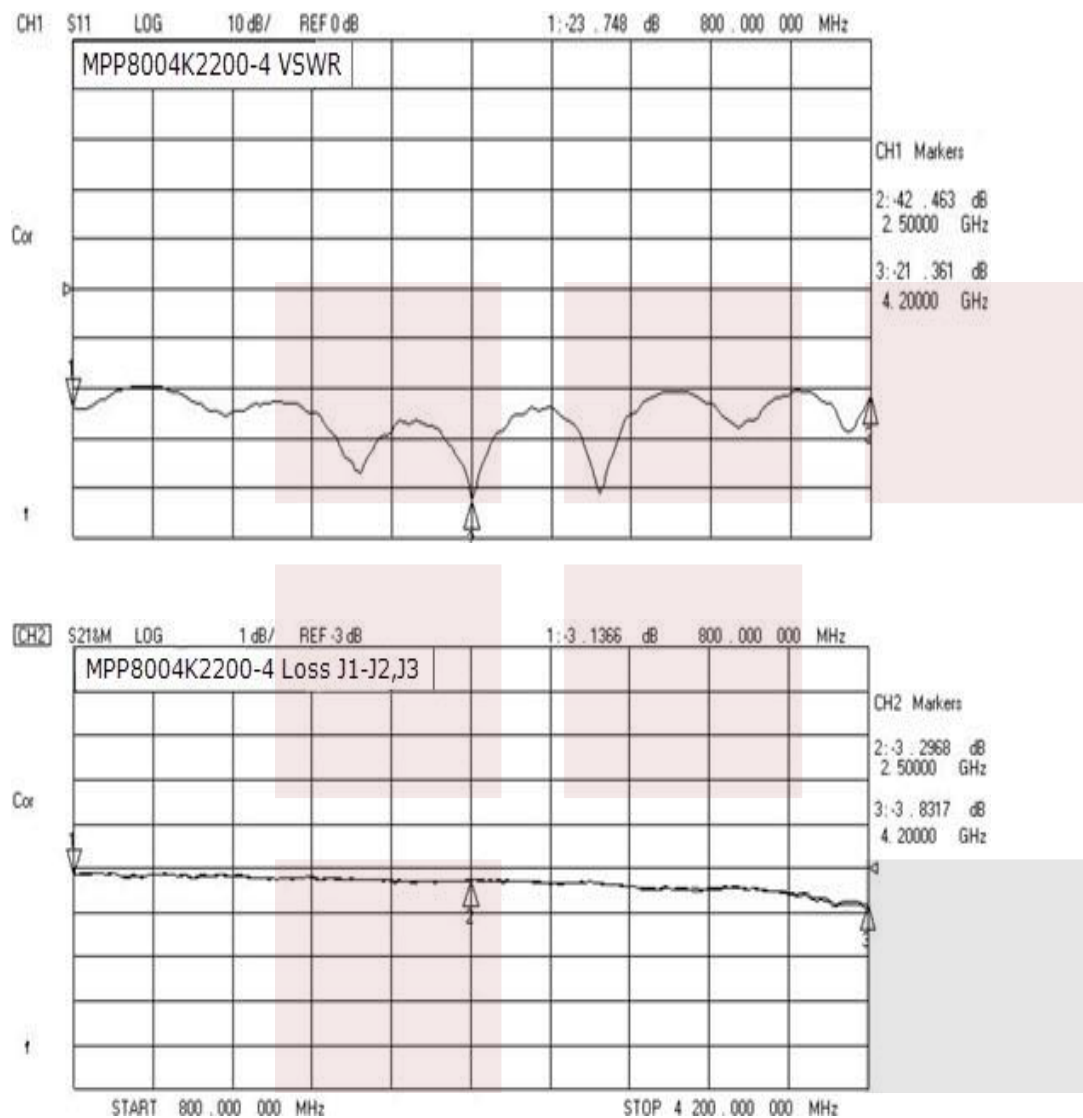
- 800 to 4200 MHz Frequency
- 200 watt max power
- Insertion Loss: < 1.0 dB
- Phase Balance: ± 5 degrees
- Amplitude Balance: ± 0.25 dB
- Isolation: > 8 dB
- High Power Handling Capability

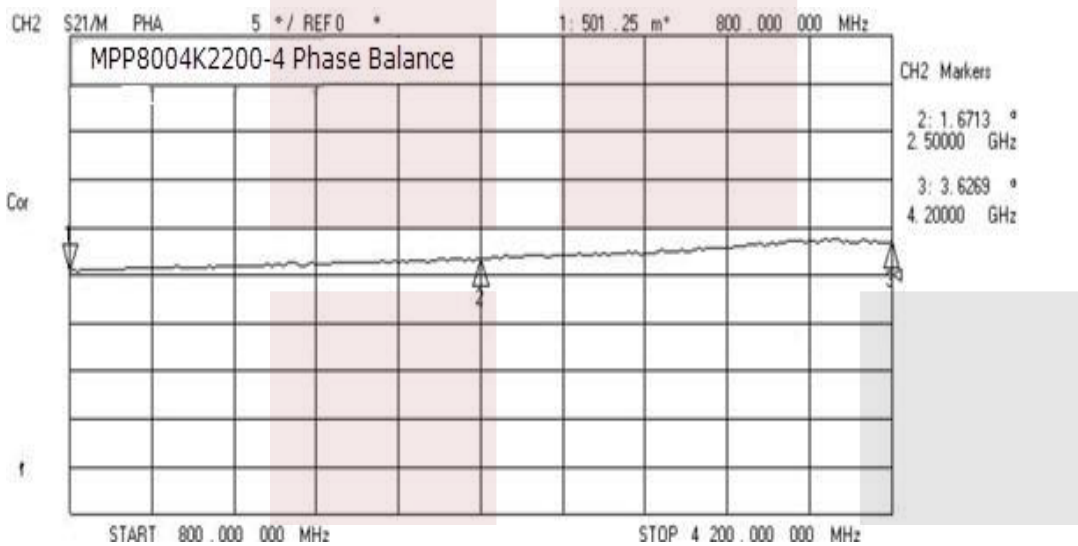
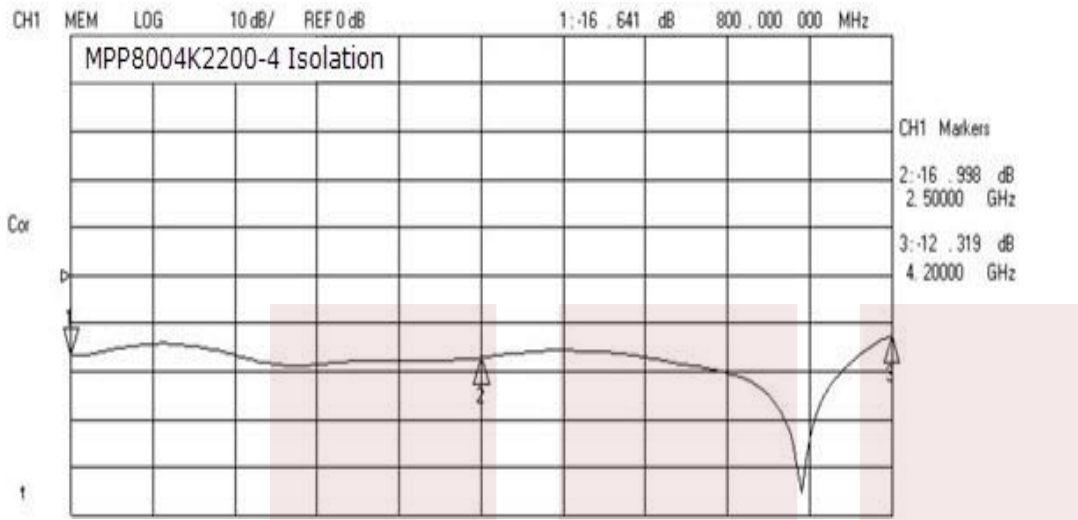
Applications:

- 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



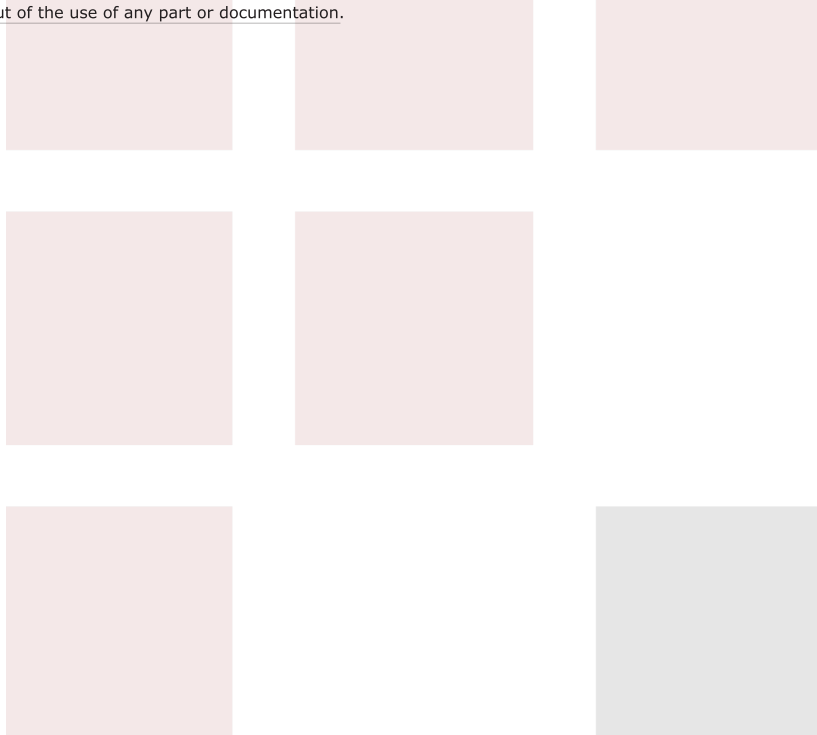


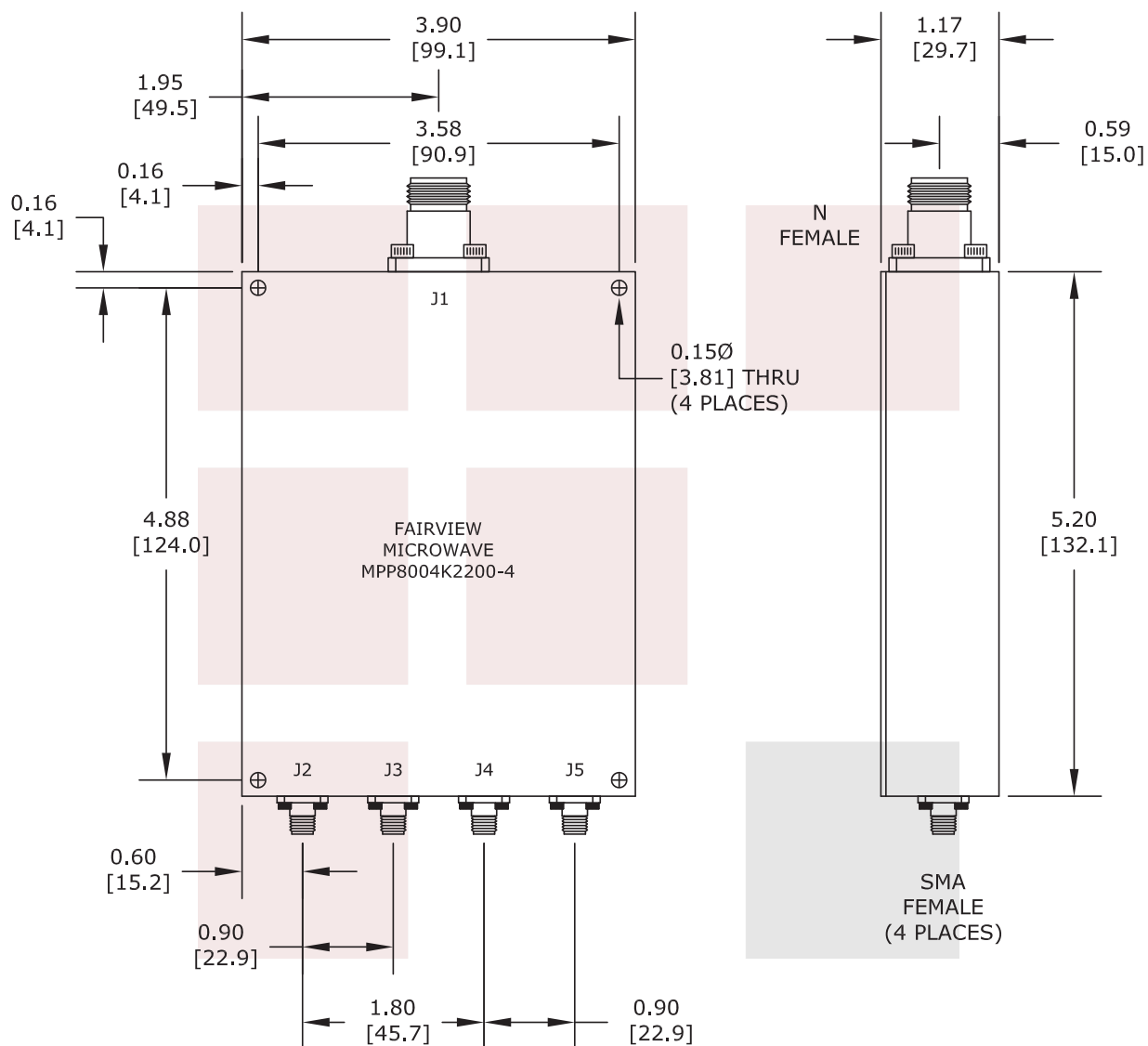
4 Way Broadband Combiner SMA Interface from 800 MHz to 4.2 GHz from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [4 Way Broadband Combiner SMA Interface from 800 MHz to 4.2 GHz MPP8004K2200-4](https://www.fairviewmicrowave.com/4-way-power-combiner-sma-broadband-4.2-ghz-200-watts-mpp8004k2200-4-p.aspx)

URL: <https://www.fairviewmicrowave.com/4-way-power-combiner-sma-broadband-4.2-ghz-200-watts-mpp8004k2200-4-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.





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NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

TITLE

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DWG NO

MPP8004K2200-4

CAGE CODE

3FKR5

CAD FILE

091914

SHEET

SCALE

N/A

SIZE

A

2233