

2 Way Broadband Combiner SMA Female Input and N-Type Female Output from 2 GHz to 8 GHz rated 150 Watts



FMS0033

Features

- 2 to 8 GHz Frequency
- 150 watt max power
- Insertion Loss: < 0.55 dB
- Phase Balance: ± 6 degrees
- Amplitude Balance: ± 0.25 dB
- High Power Handling Capability

Applications

- Communications Systems
- Power Combining
- LTE, Cellular
- Amplifier Systems
- Amplifier Power Combining
- Wireless Infrastructures
- Defense Applications

Description

FMS0033 is a passive 2 way High Power Broadband RF Combiner with 50 ohm SMA and N-Type connectors operating from 2 to 8 GHz, with max power at 150 watts. The FMS0033 has less than 0.55 dB typical low insertion loss and a Max VSWR of 1.3:1; along with a phase balance of ± 6 degrees and an amplitude balance of ± 0.25 dB. The RF Combiner operates in a temperature range from -55°C to 85°C .

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Design Number of Input Ports		Reactive 2		
Frequency Range	2		8	GHz
Impedance		50		Ohms
Input VSWR			1.3:1	
Output VSWR			1.3:1	
Insertion Loss			0.55	dB
Amplitude Balance		± 0.25		dB
Phase Balance		± 6		Degrees
Power Handling (CW)			150	Watts

Mechanical Specifications

Size	
Length	2.5 in [63.5 mm]
Width	1.5 in [38.1 mm]
Height	1.03 in [26.16 mm]
Weight	0.38 lbs [172.37 g]
Configuration	
Package Type	Connectorized
Input Connector	SMA Female
Output Connectors	N Female

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Environmental Specifications

Temperature

Operating Range

-55 to +85 deg C

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

Plotted and Other Data

Notes:

Typical Performance Data

2 Way Broadband Combiner SMA Female Input and N-Type Female Output from 2 GHz to 8 GHz rated 150 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 Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [2 Way Broadband Combiner SMA Female Input and N-Type Female Output from 2 GHz to 8 GHz rated 150 Watts FMS0033](#)

URL: <https://www.fairviewmicrowave.com/2-way-power-combiner-sma-broadband-2-ghz-8-ghz-150-watts-fms0033-p.aspx>

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FMS0033 CAD Drawing

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