

## 2 Way Broadband Combiner SMA Female Input and N-Type Female Output from 2 GHz to 8 GHz rated 250 Watts



### FMS0034

#### Features

- 2 to 8 GHz Frequency
- 250 watt max power
- Insertion Loss: < 0.6 dB
- Phase Balance:  $\pm 6$  degrees
- Amplitude Balance:  $\pm 0.25$  dB
- Isolation: >12 dB
- High Power Handling Capability

#### Applications

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

#### Description

FMS0034 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 250 watts. The FMS0034 has greater than 12 dB typical isolation, has less than 0.6 dB typical low insertion loss and a Max VSWR of 1.3:1; along with a phase balance of  $\pm 6$  degrees and an amplitude balance of  $\pm 0.25$  dB. The RF Combiner operates in a temperature range from -55°C to 85°C.

#### Electrical Specifications

Design: Reactive  
Number of Input Ports: 2

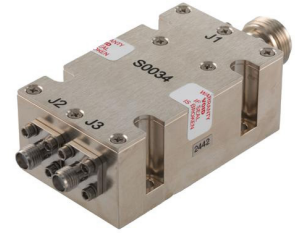
Description	Minimum	Typical	Maximum	Units
Frequency Range	2		8	GHz
Impedance		50		Ohms
Input VSWR			1.3:1	
Output VSWR			1.3:1	
Insertion Loss			0.6	dB
Isolation	12			dB
Amplitude Balance		$\pm 0.25$		dB
Phase Balance		$\pm 6$		Degrees
Power Handling (CW)			250	Watts

#### 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: 0.55 lbs [249.48 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 250 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 250 Watts FMS0034](#)

URL: <https://www.fairviewmicrowave.com/2-way-power-combiner-sma-broadband-2-ghz-8-ghz-250-watts-fms0034-p.aspx>

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# FMS0034 CAD Drawing

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