

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



### PE20S0033

#### Features

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

#### Applications

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

#### Description

PE20S0033 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 PE20S0033 has less than 0.55 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

Description	Minimum	Typical	Maximum	Units
Design Number of Input Ports	2			
		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		$\pm 0.25$		dB
Phase Balance		$\pm 6$		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	0.375 lbs [170.1 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 from 2 GHz to 8 GHz SMA Female Input and N-Type Female Output rated 150 Watts from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2 Way Broadband Combiner from 2 GHz to 8 GHz SMA Female Input and N-Type Female Output rated 150 Watts PE20S0033](#)

URL: <https://www.pasternack.com/2-way-sma-broadband-power-combiner-2-ghz-8-ghz-150-watts-pe20s0033-p.aspx>

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# PE20S0033 CAD Drawing

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