

2 Way Broadband Combiner N Female Input and Output from 600 MHz to 6 GHz rated 400 Watts



PE20S0040

Features

- Broadband frequency range from 600 MHz to 6 GHz
- Equal 2-way power split
- Low insertion loss
- Excellent input and output VSWR
- High isolation between output ports
- 200 watts CW power handling per port
- 400 watts total power handling
- 50 Ohm impedance
- Rugged conductive oxidation finish
- N female connectors

Applications

- RF test and measurement
- Laboratory testing
- Wireless communication systems
- Military and defense RF systems
- Broadcast systems
- Distributed antenna systems (non-Low PIM applications)
- Signal distribution networks
- RF power combining systems
- General-purpose RF integration

Description

The PE20S0040 is a 2-way RF Combiner that operates from 600 MHz to 6 GHz. This passive device provides equal power division with low insertion loss, excellent VSWR, and high power handling of up to 200 watts per port (400 watts total when used as a combiner). Featuring N female connectors and a rugged conductive oxidation finish, it is designed for reliable performance in RF communication systems, test and measurement applications, distributed RF systems, and laboratory environments. The broadband design allows the unit to function as either a power divider or power combiner while maintaining consistent electrical performance across the operating frequency range.

Electrical Specifications

Number of Input Ports

2

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.6		6	GHz
Impedance		50		Ohms
Input VSWR			1.4:1	
Output VSWR			1.4:1	
Insertion Loss			1.2	dB
Isolation	16			dB
Power Handling (CW)			400	Watts

Mechanical Specifications

Size

Length	5.51 in [139.95 mm]
Width	1.54 in [39.12 mm]
Height	1.1 in [27.94 mm]
Weight	0.55 lbs [249.48 g]

Configuration

Input Connector	N Female
Output Connectors	N Female

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Environmental Specifications

Temperature

Operating Range

-25 to +75 deg C

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

Plotted and Other Data

Notes:

Typical Performance Data

2 Way Broadband Combiner N Female Input and Output from 600 MHz to 6 GHz rated 400 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 N Female Input and Output from 600 MHz to 6 GHz rated 400 Watts PE20S0040](#)

URL: <https://www.pasternack.com/2-way-type-n-broadband-power-combiner-600-mhz-6-ghz-400-watts-pe20s0040-p.aspx>

The information contained within 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. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE20S0040 CAD Drawing

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