



TECHNICAL DATA SHEET

PE20S0005

PE20S0005 is a passive 4 way High Power Broadband RF Combiner with 50 ohm SMA connectors operating from 80 to 1000 MHz, with a max input power at 200 watts. The PE20S0005 has greater than 12 dB typical isolation, less than 0.75 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 4"x3"x1.12".

Features

- 80 to 1000 MHz Frequency
- 200 watt max power
- Insertion Loss: < 0.75 dB
- Phase Balance: ±5 degrees

- Amplitude Balance: ±0.25 dB
- Isolation: >12 dB
- High Power Handling Capability

Applications

- Communications Systems
- Power Combining
- PCS,GSM,LTE, Cellular
- Amplifier Systems
- · Amplifier Power Combining
- Wireless Infrastructures

Defence Applications

Configuration

Input Connectors
Output Connector
Frequency Range
Design
Number of Input Ports
Housing Material and Plating

SMA Female SMA Female 80 to 1,000 MHz Reactive 4 Aluminum Alloy

Electrical Specifications (Values at 25°C, sea level)

Minimum	Typical	Maximum	Units
80		1,000	MHz
	50		Ohms
		0.75	dB
		200	Watts
		1.3:1	
-12			dB
	± 5		Degrees
	±0.25		dB
	80	-12 ± 5	80 1,000 50 0.75 200 1.3:1 -12 ±5

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Range	80 to 125	125 to 1,000				MHz
Isolation	12	13				dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 4 Way High Power Broadband Combiner From 80 MHz to 1,000 MHz Rated at 200 Watts, SMA PE20S0005

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623

Phone: (866) 727-8376 or (949) 261-1920 • Fax: (949) 261-7451

Sales@Pasternack.com • Techsupport@Pasternack.com



ISO 9001 : 2008 Registered





TECHNICAL DATA SHEET

PE20S0005

Mechanical Specifications

Temperature

Operating Range -55 to +85 deg C

Size

 Length
 4 in [101.6 mm]

 Width
 3 in [76.2 mm]

 Height
 1.12 in [28.45 mm]

Connectors

Description	Input Connector	Output Connectors
Connector Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel

Compliance Certifications (visit www.Pasternack.com for current document) RoHS Compliant

Plotted and Other Data

Notes:

• Values at +25 °C, sea level

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 4 Way High Power Broadband Combiner From 80 MHz to 1,000 MHz Rated at 200 Watts, SMA PE20S0005

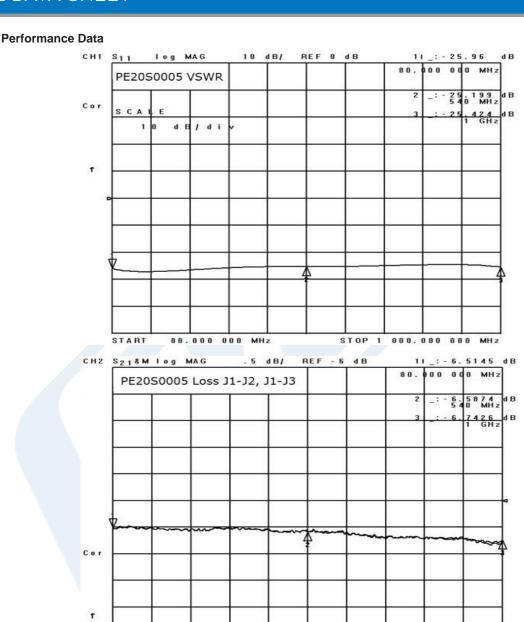






TECHNICAL DATA SHEET

PE20S0005



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 4 Way High Power Broadband Combiner From 80 MHz to 1,000 MHz Rated at 200 Watts, SMA PE20S0005



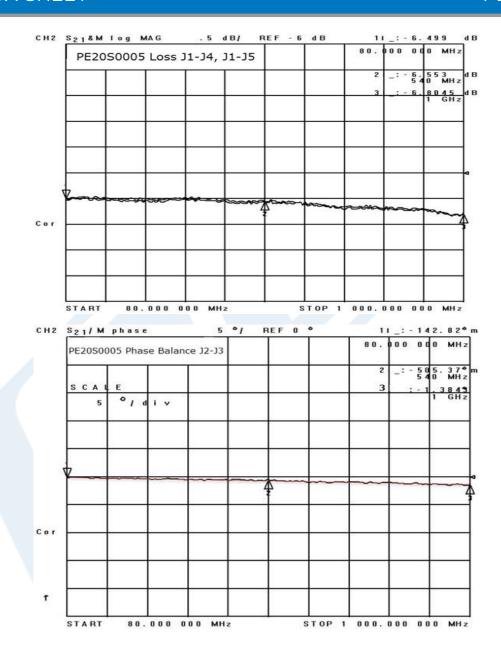
© 2015 Pasternack Enterprises All Rights Reserved





TECHNICAL DATA SHEET

PE20S0005



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 4 Way High Power Broadband Combiner From 80 MHz to 1,000 MHz Rated at 200 Watts, SMA PE20S0005



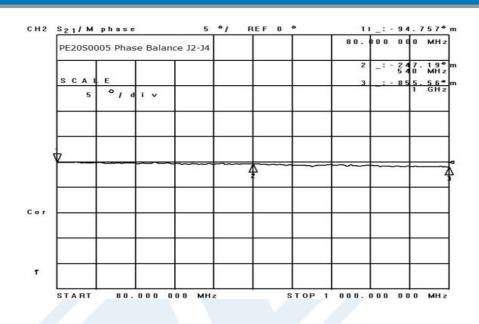
ISO 9001: 2008 Registered

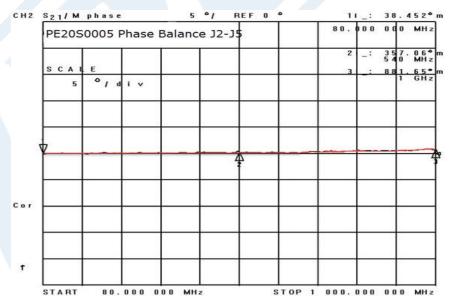




TECHNICAL DATA SHEET

PE20S0005





Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 4 Way High Power Broadband Combiner From 80 MHz to 1,000 MHz Rated at 200 Watts, SMA PE20S0005



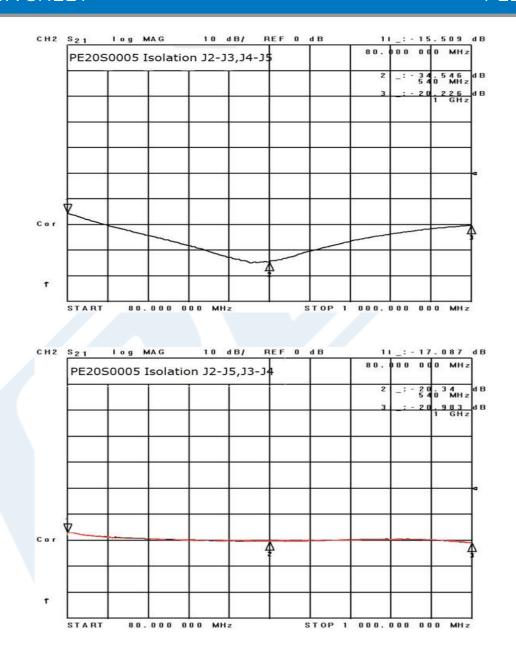
ISO 9001: 2008 Registered





TECHNICAL DATA SHEET

PE20S0005



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 4 Way High Power Broadband Combiner From 80 MHz to 1,000 MHz Rated at 200 Watts, SMA PE20S0005



Sales@Pasternack.com • Techsupport@Pasternack.com

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451





TECHNICAL DATA SHEET

PE20S0005

4 Way High Power Broadband Combiner From 80 MHz to 1,000 MHz Rated at 200 Watts, SMA from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% 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: 4 Way High Power Broadband Combiner From 80 MHz to 1,000 MHz Rated at 200 Watts, SMA PE20S0005

URL: http://www.pasternack.com/4-way-sma-broadband-power-combiner-80-1000-mhz-200-watts-pe20s0005-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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623

Phone: (866) 727-8376 or (949) 261-1920 • Fax: (949) 261-7451

Sales@Pasternack.com • Techsupport@Pasternack.com



ISO 9001 : 2008 Registered

PE20S0005 CAD Drawing

4 Way High Power Broadband Combiner From 80 MHz to 1,000 MHz Rated at 200 Watts, SMA

