

SPA-1003-27H 2-WAY SMT SPLITTER

#### RoHS Compliant and Pb-Free Product Package: S06

## **Features**

- Frequency Range: 30 MHz to 1000 MHz
- Low Cost and RoHS Compliant
- Industry Standard SMT package
- Available in Tape-and -Reel
- 75Ω Characteristic Impedance

## **Product Description**

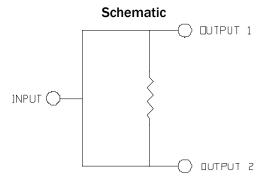
The SPA-1003-27H is a 0° two way power splitter designed for applications that require small, low cost, and highly reliable surface mount components. Applications may be found in broadband, wireless, and other communications systems. These units are built Lead-Free and RoHS Compliant. S-Parameters are available on request.

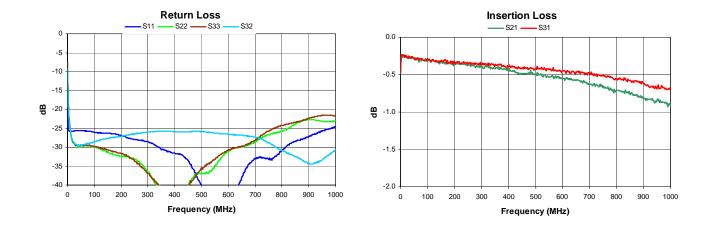
#### Specifications

Parameter	Specification			Unit
	Min.	Тур.	Max.	Unit
Frequency Range	30		1000	MHz
Insertion Loss		0.5	1.0	dB
Isolation	25	30		dB
Return Loss	20	25		dB
Amplitude Balance		0.2	0.4	dB
Phase Balance		2.0	4.0	٥

Note: Typical values represent midband performance at T=25 ° C.





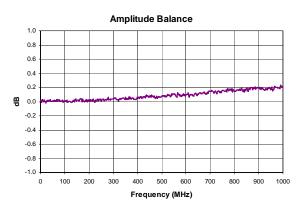


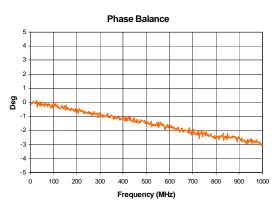
RF MICRO DEVICES®, RFMD®, Optimum Technology Matching®, Enabling Wireless Connectivity<sup>w</sup>, PowerStar®, POLARIS<sup>w</sup> TOTAL RADIO<sup>w</sup> and UltimateBlue<sup>w</sup> are trademarks of RFMD, LLC. BLUETOOTH is a trade mark owned by Bluetooth SIG, Inc., U.S.A. and licensed for use by RFMD. All other trade names, trademarks and registered trademarks are the property of their respective owners, ©2006, RF Micro Devices, Inc.

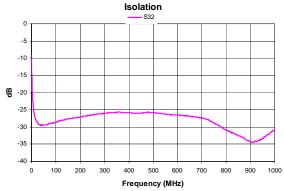
7628 Thorndike Road, Greensboro, NC 27409-9421 · For sales or technical support, contact RFMD at (+1) 336-678-5570 or sales-support@rfmd.com.

# SPA-1003-27H

RFMD .....

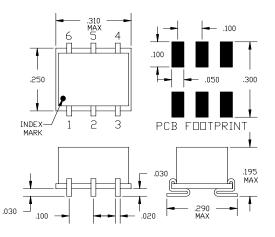






Pin Out			
Pin	Name		
1	Input		
3	Output 1		
4	Output 2		
2, 5, 6	Ground		

### Package Drawing - S06



#### **Absolute Maximum Ratings**

Parameter	Rating	Unit
RF Power	+33	dBm
Operating Temperature	-55 to +100	°C
Storage Temperature	-55 to +100	°C

Exceeding any one or a combination of the Absolute Maximum Rating conditions may cause permanent damage to the device. Extended application of Absolute Maximum Rating conditions to the device may reduce device reliability. Specified typical performance or functional operation of the device under Absolute Maximum Rating conditions is not implied.

RoHS status based on EU Directive 2002/95/EC (at time of this document revision).

The information in this publication is believed to be accurate and reliable. However, no responsibility is assumed by RF Micro Devices, Inc. ("RFMD") for its use, nor for any infringement of patents, or other rights of third parties, resulting from its use. No license is granted by implication or otherwise under any patent or patent rights of RFMD. RFMD reserves the right to change component circuitry, recommended application circuitry and specifications at any time without prior notice.

7628 Thorndike Road, Greensboro, NC 27409-9421 · For sales or technical support, contact RFMD at (+1) 336-678-5570 or sales-support@rfmd.com.