

RoHS Compliant and Pb-Free Product  
Package: S04

### Features

- Frequency Range: 20 MHz to 1200MHz
- Low Cost and RoHS Compliant
- Industry Standard SMT package
- Available in Tape-and -Reel
- 75Ω Characteristic Impedance



### Product Description

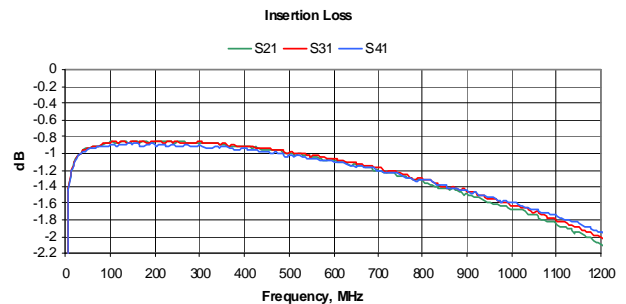
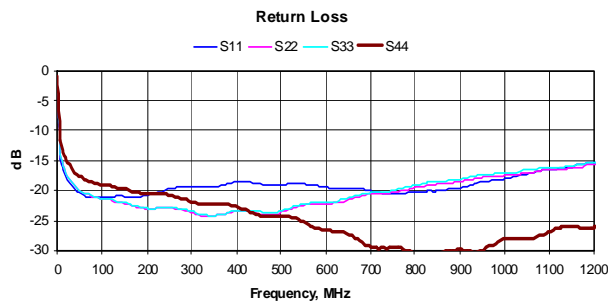
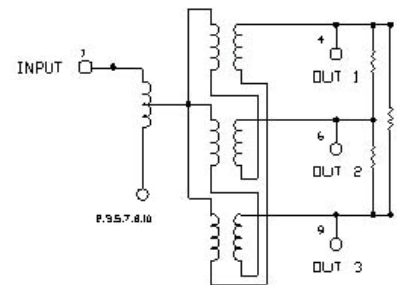
The RFSP5731 Splitter is designed for Broadband/CATV applications that require small, low cost, and highly reliable surface mount components. These units are built Lead-Free and RoHS compliant. S-Parameters are available on request.

### Specifications

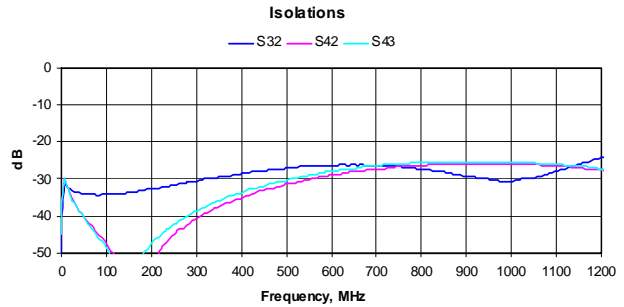
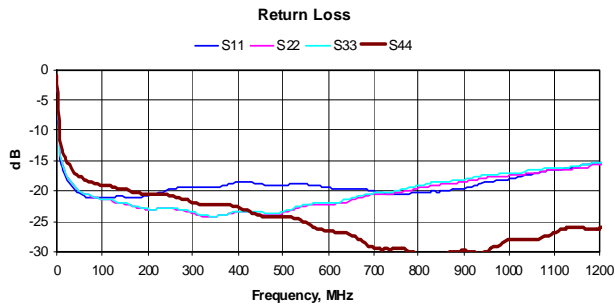
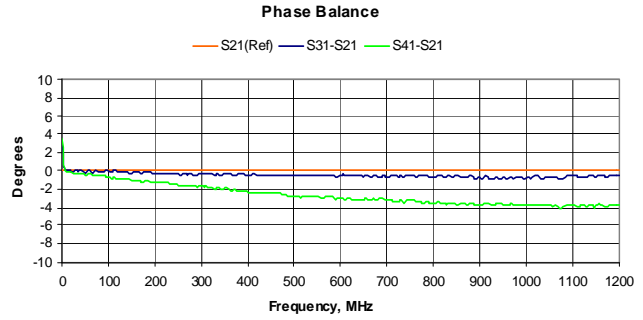
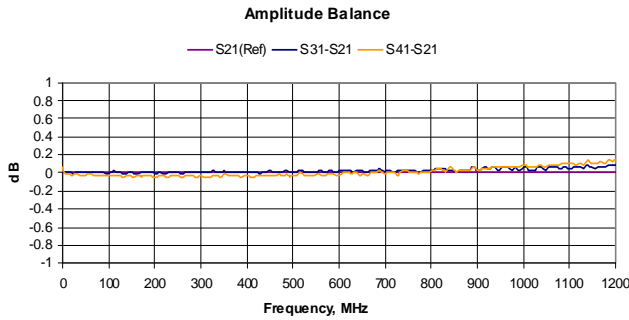
Parameter	Specification			Unit
	Min.	Typ.	Max.	
Frequency Range	20		1200	MHz
Insertion Loss		1.5	2.3	dB
Isolation	18	25		dB
Return Loss	14	20		dB
Amplitude Balance		0.3	0.6	dB
Phase Balance		3.0	6.0	°

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

### Schematic



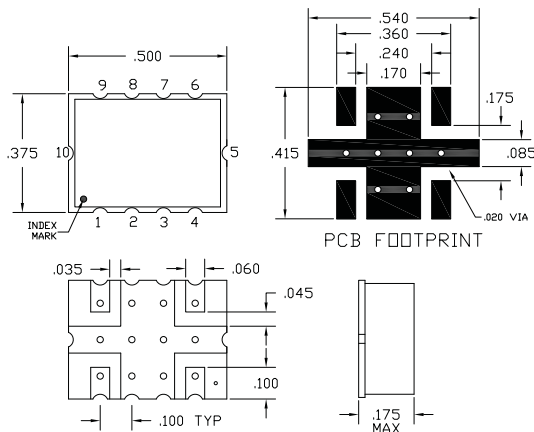
# RFSP5731



## Pin Out

Pin	Name
1	Input
2, 3, 5, 7, 8, 10	Ground
4	Output 1
6	Output 2
9	Output 3

## Package Drawing - S04



## Absolute Maximum Ratings

Parameter	Rating	Unit
RF Power	+33	dBm
Operating Temperature	-40 to +85	°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 EUDirective2002/95/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 MiniRF, Inc. ("MiniRF") 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 MiniRF. MiniRF reserves the right to change component circuitry, recommended application circuitry and specifications at any time without prior notice.