RFSP2731

SURFACE MOUNT 3-WAY SPLITTER

RoHS Compliant and Pb-Free Product
Package: S04

Features

- Frequency Range: 5 MHz to 200 MHz
- Low Cost and RoHS Compliant
- Industry Standard SMT package
- Available in Tape-and -Reel
- 75Ω Characteristic Impedance

Product Description

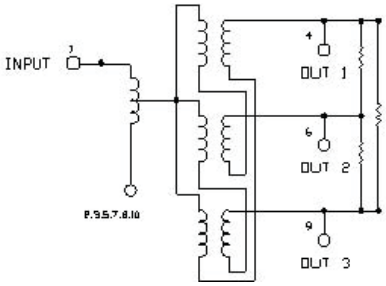
The RFSP2731 Splitter is designed for Broadband/CATV applications that require small, low cost, and highly reliable surface mount components. These units are built Lead-Free and RoHS compliant. S-Parameters are available on request.

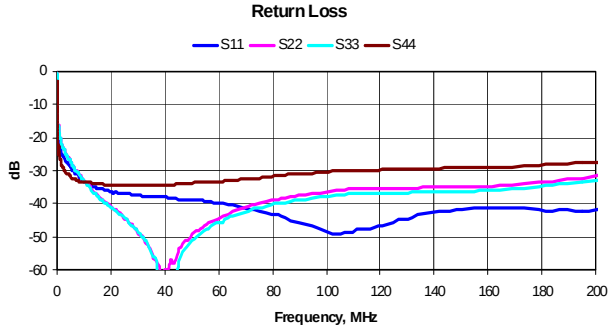
Specifications

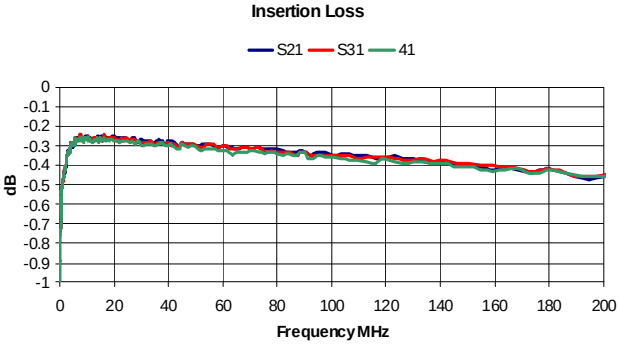
Parameter	Specification			Unit
	Min.	Typ.	Max.	
Frequency Range	5		200	MHz
Insertion Loss		0.35	0.6	dB
Isolation	25	30		dB
Input Return Loss	23	40		dB
Output Return Loss	21	30		dB
Amplitude Balance		0.1	0.2	dB
Phase Balance		1.0	5.0	°

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

Schematic







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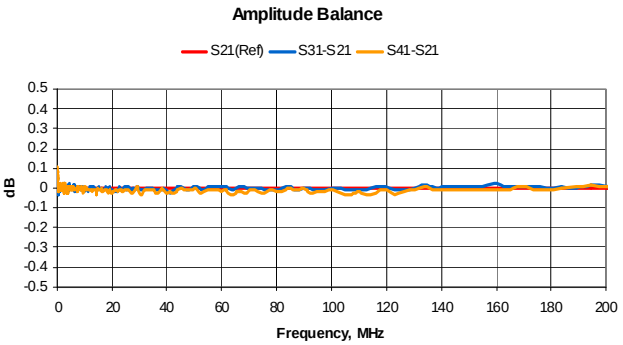
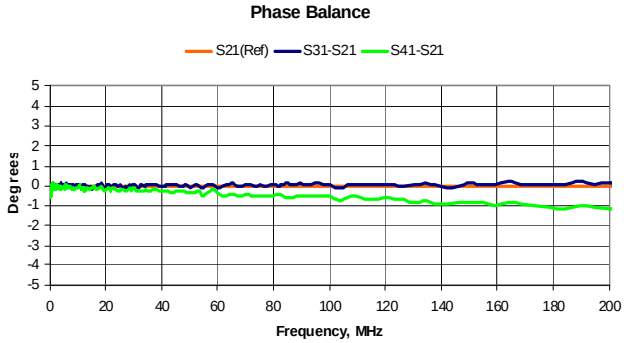
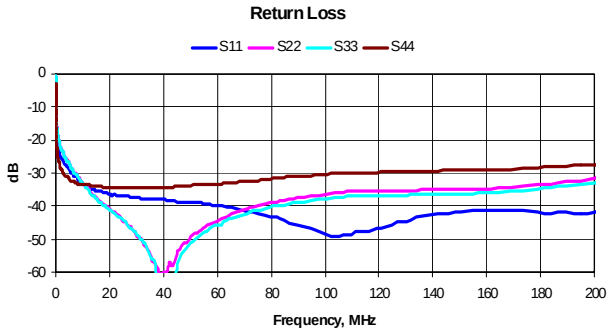
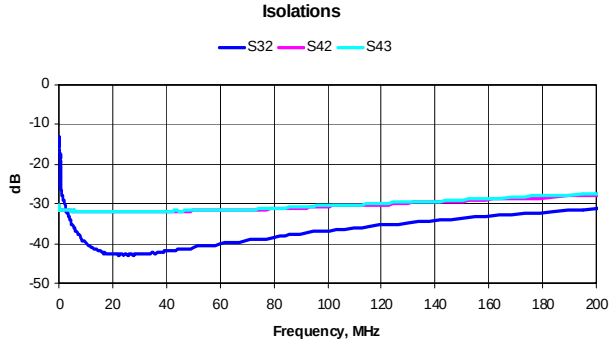




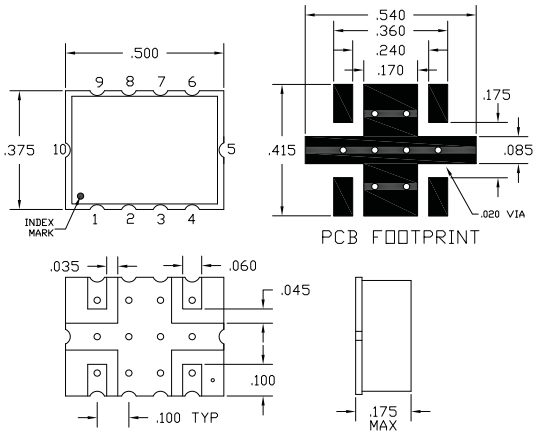




Pin Out

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 EU Directive 2002/95/EC (at time of this document revision).

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