

**RoHS Compliant and Pb-Free Product**  
**Package: S18**

## Features

- Frequency Range: 5 MHz to 1200MHz
- Low Cost and RoHS Compliant
- Industry Standard SMT package
- Available in Tape-and -Reel
- 50Ω Characteristic Impedance



## Product Description

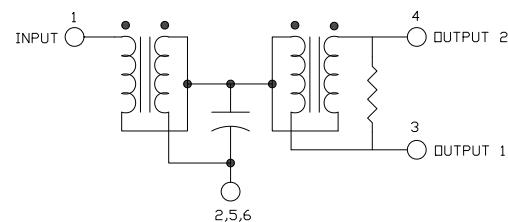
The RFSP5522 Splitter is designed for applications that require small, low cost, and highly reliable surface mount components. Applications may be found in broadband, wireless, and other communications systems. These units are built Lead-Free and RoHS compliant. S-Parameters are available on request.

## Specifications

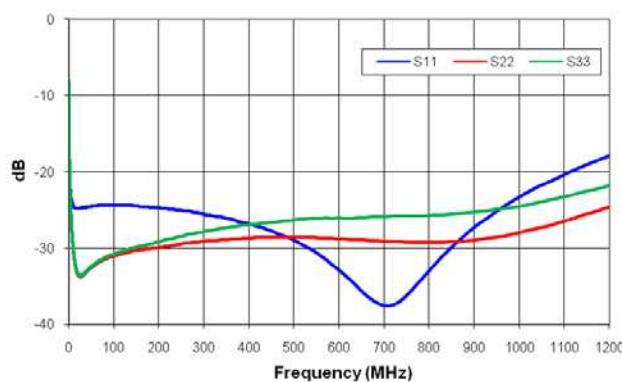
Parameter	Specification			Unit
	Min.	Typ.	Max.	
Frequency Range	5		1200	MHz
Insertion Loss		1.0	1.6	dB
Isolation	18	22		dB
Return Loss	14	20		dB
Amplitude Balance		0.3	0.6	dB
Phase Balance		3.0	5.0	°

Note: Typical values represent Mid-band performance at 25°C.

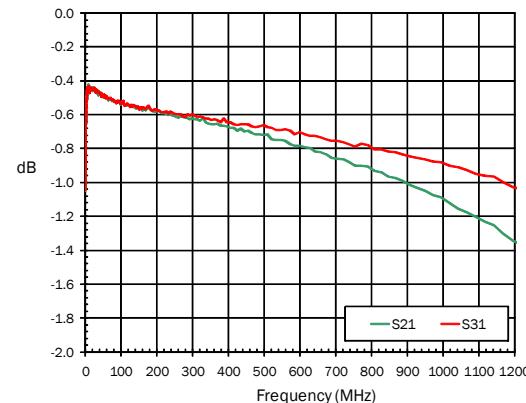
## Schematic

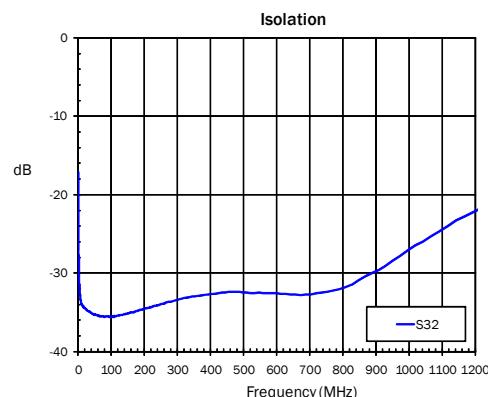
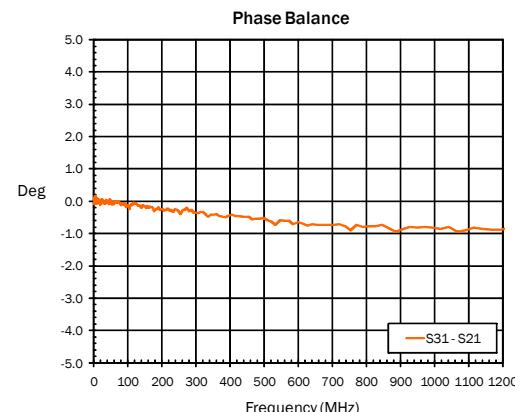
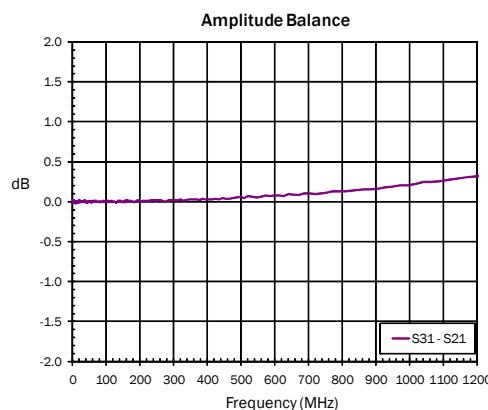


Return Loss



Insertion Loss





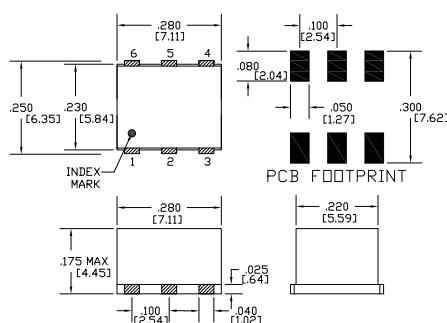
## Pin Out

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

## Absolute Maximum Ratings

Parameter	Rating	Unit
RF Power	1	W
Operating Temperature	-40 to +85	°C
Storage Temperature	-55 to +100	°C

## Package Drawing - S18



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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