

# 2-WAY POWER DIVIDER

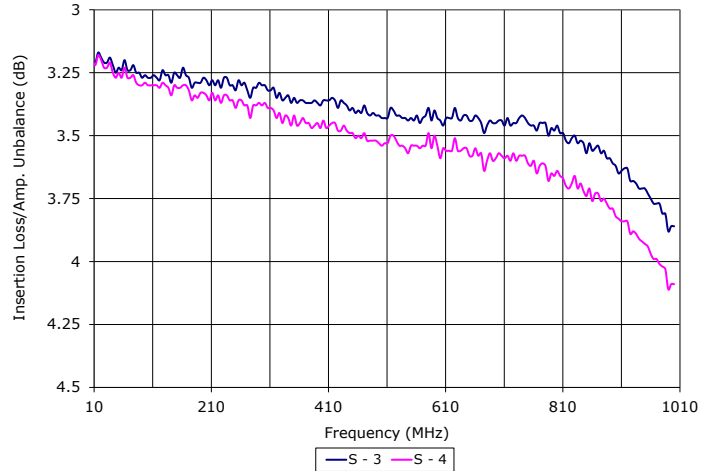
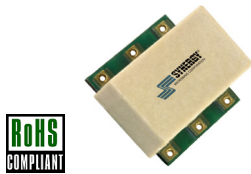
## SURFACE MOUNT MODEL: SD-3

WIDE BANDWIDTH

10 - 1000 MHz

**FEATURES:**

- ▶ Excellent Performance
- ▶ Wide Bandwidth
- ▶ Small Size, Surface Mount
- ▶ Moderate Power
- ▶ Lead Free RoHS Compliant
- ▶ Applications: Signal Splitting & Low Power Combining



SPECIFICATIONS (Rev. C 11/18/19)

Frequency	10- 1000 MHz		
<b>Insertion Loss *</b>	Freq. (MHz)	dB (Typ.)	dB (Max.)
	10-100	0.5	0.8
	100-500	0.6	1.0
	500-1000	1.0	1.5
<b>Isolation</b>	Freq. (MHz)	dB (Typ.)	dB (Min.)
	10-100	25	20
	100-500	28	17
	500-1000	25	17
<b>Phase Unbalance</b>	Freq. (MHz)	Degrees (Max.)	
	10-100	2	
	100-500	4	
	500-1000	7	
<b>Amplitude Unbalance</b>	Freq. (MHz)	dB (Max.)	
	10-100	0.4	
	100-500	0.5	
	500-1000	0.7	
<b>Input Power</b>	1 Watt (Max.)		
<b>Output Impedance</b>	50 Ohms (Nom.)		
<b>Operating Temperature Range</b>	-40 to +85 °C		

**Package #** 134LF

REL-PRO PATENT NO. 7,612,296

RECOMMENDED PCB LAYOUT

DIMENSIONS ARE IN INCHES.

TOLERANCES ON THREE DECIMAL PLACES= ± 0.015  
PACKAGE MOUNTING: SEE APPLICATION NOTE AN7200 & AN7300

PIN-OUT		
Input	Output	Case Gnd.
6	3,4	1,2,5

\* Above the 3dB theoretical split loss

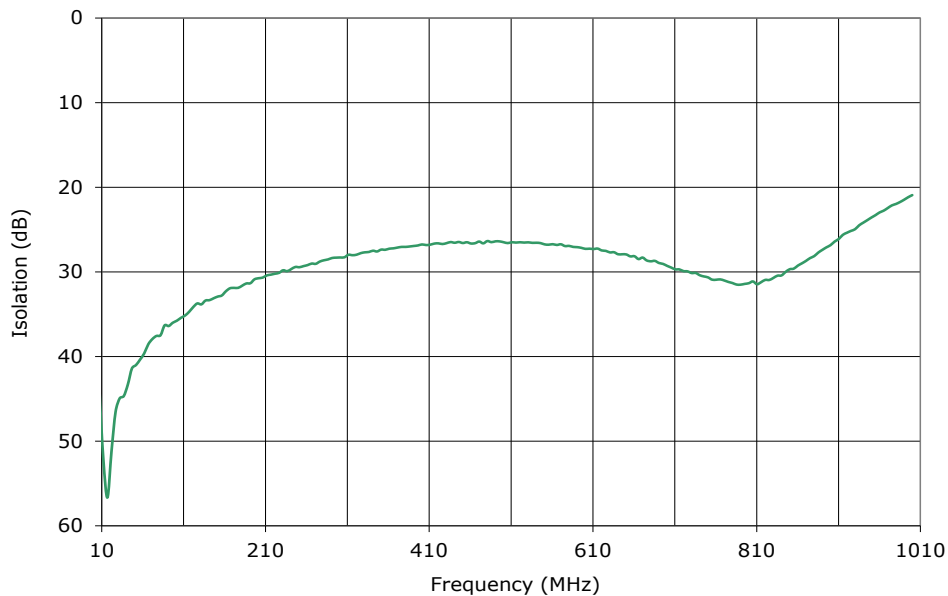
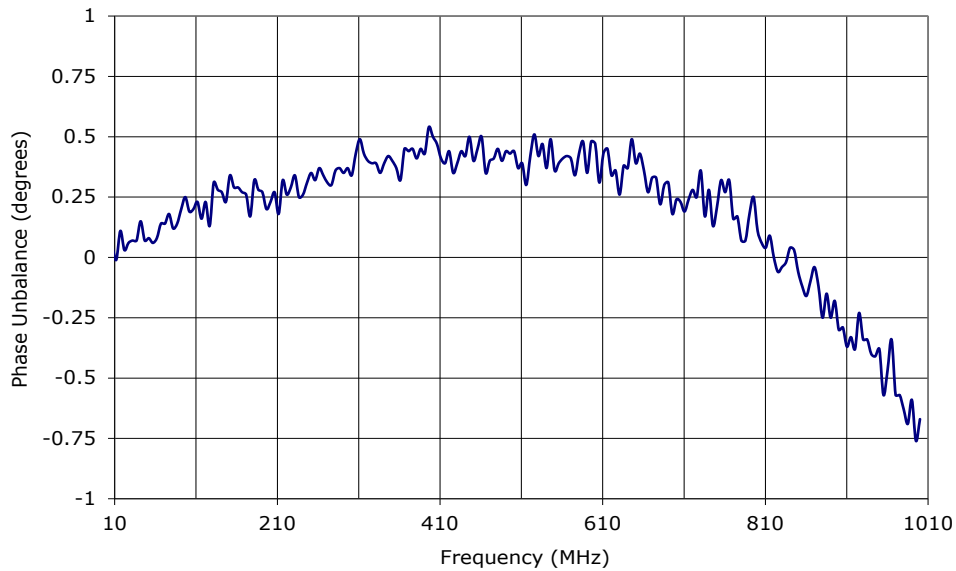
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PERFORMANCE PLOTS



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