

# 2-WAY POWER DIVIDER

## SURFACE MOUNT MODEL: SDL-3

**WIDE BANDWIDTH**

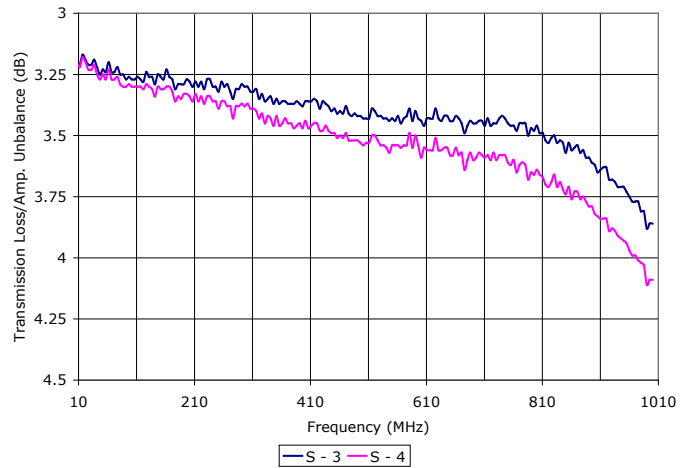
**10 - 1000 MHz**

**FEATURES:**

- ▶ Excellent Performance
- ▶ Wide Bandwidth
- ▶ Small Size, Surface Mount
- ▶ Moderate Power
- ▶ REL-PRO® Patented Technology
- ▶ Lead Free RoHS Compliant

**APPLICATIONS:**

- ▶ Signal Splitting & Low Power Combining



**SPECIFICATIONS (Rev. B 08/06/09)**

<b>Frequency</b>	10 - 1000 MHz		
<b>Insertion Loss (dB) <sup>1</sup></b>	Freq. (MHz)	Typ.	Max.
	10-100	0.5	0.8
	100-500	0.6	1.0
	500-1000	1.0	1.5
<b>Isolation (dB)</b>	Freq. (MHz)	Typ.	Min.
	10-100	25	20
	100-500	30	17
	500-1000	25	17
<b>Phase Unbalance</b>	Freq. (MHz)	Deg. (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 <sup>2</sup></b>	1 Watt (Max.)		
<b>Impedance</b>	50 Ohms (Nom.)		
<b>Operating Temperature Range</b>	-40 to +85 °C		

<sup>1</sup> Insertion loss is above the theoretical 3.0 dB splitting loss.  
<sup>2</sup> Handling power applies to splitter mode and assumes ideal 50 Ohms impedance matching on all ports.

**Package #** 159LF

**REL-PRO® Patent No.7,612,296**

TOLERANCES ON THREE DECIMAL PLACES= ± 0.015  
 PACKAGE MOUNTING: SEE APPLICATION NOTES AN7200 & AN7301

Port Configuration		
Input	Output	Ext. GND
6	3,4	1,2,5

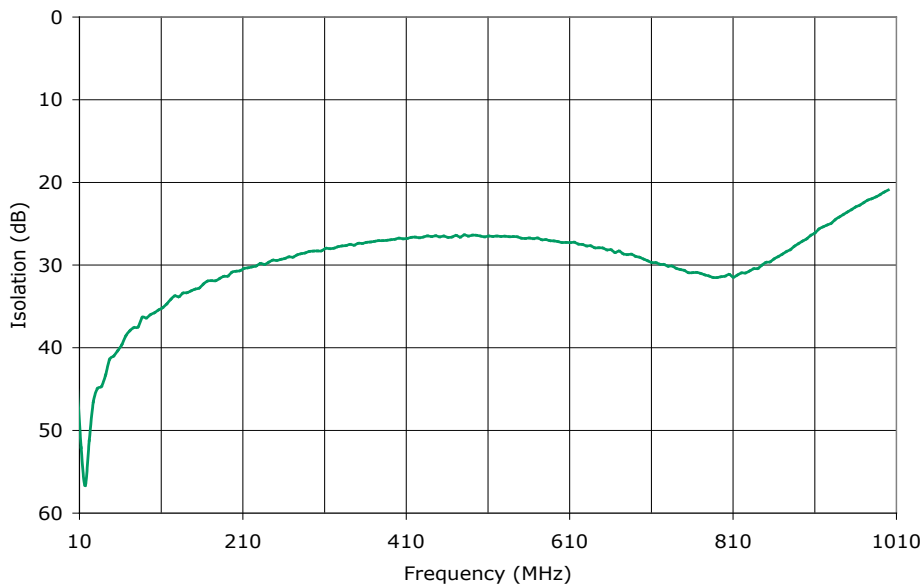
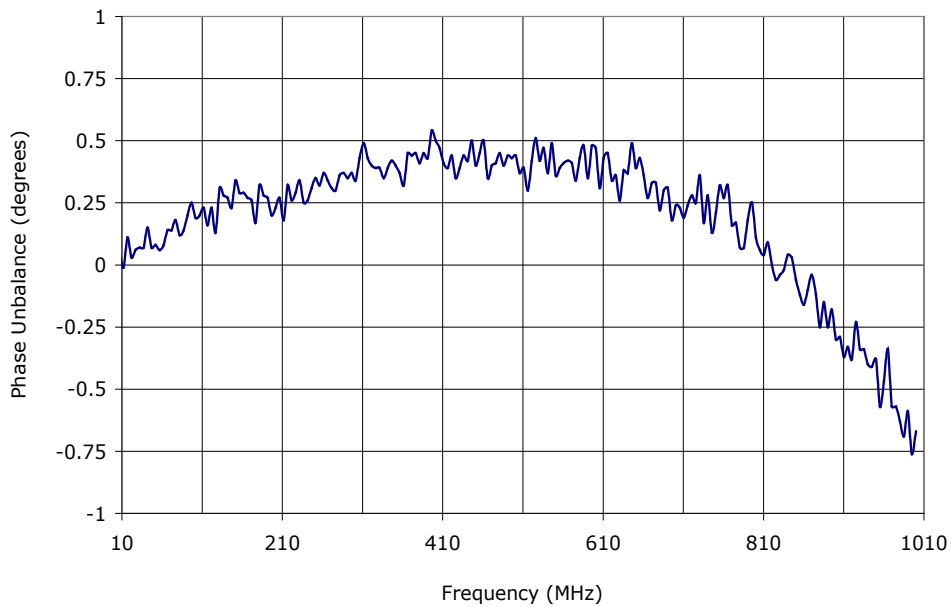
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