

# 2-WAY POWER DIVIDER

## SURFACE MOUNT MODEL: SDL-1

**WIDE BANDWIDTH**

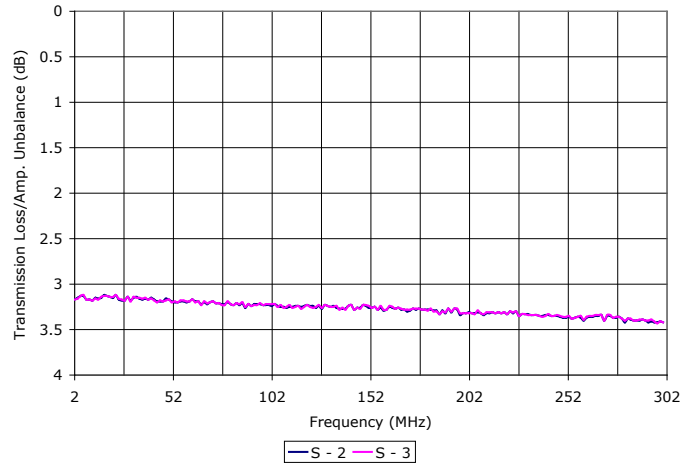
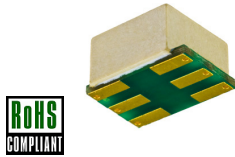
**2 - 300 MHz**

**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. D 09/18/18)**

<b>Frequency</b>	2 - 300 MHz		
<b>Insertion Loss (dB) <sup>1</sup></b>	Freq. (MHz)	Typ.	Max.
	2-20	0.5	0.9
	20-150	0.6	0.8
	150-300	0.8	1.0
<b>Isolation (dB)</b>	Freq. (MHz)	Typ.	Min.
	2-20	25	20
	20-150	30	20
	150-300	25	20
<b>Phase Unbalance</b>	Freq. (MHz)	Deg. (Max.)	
	2-20	3	
	20-150	4	
	150-300	5	
<b>Amplitude Unbalance</b>	Freq. (MHz)	dB (Max.)	
	2-20	0.4	
	20-150	0.5	
	150-300	0.5	
<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

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

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



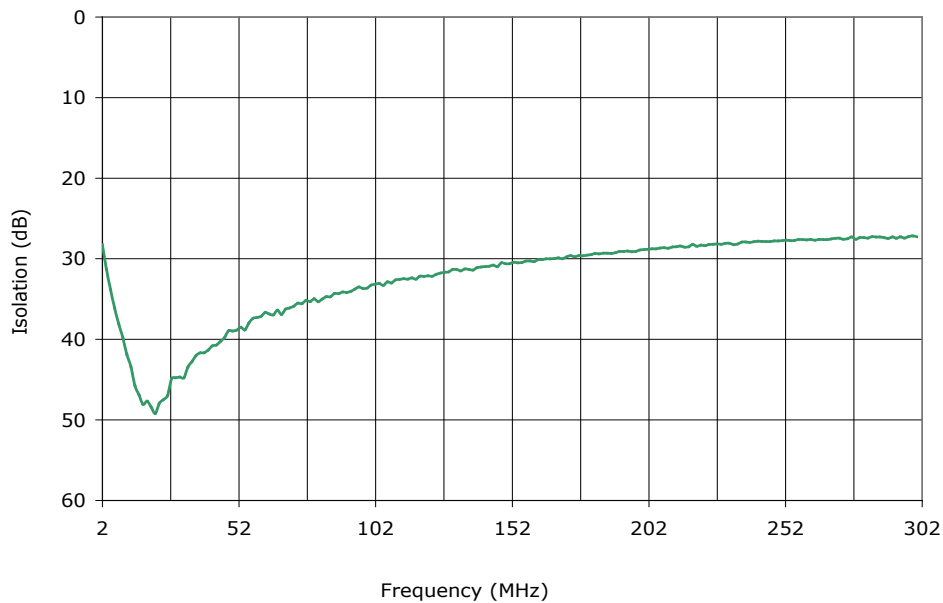
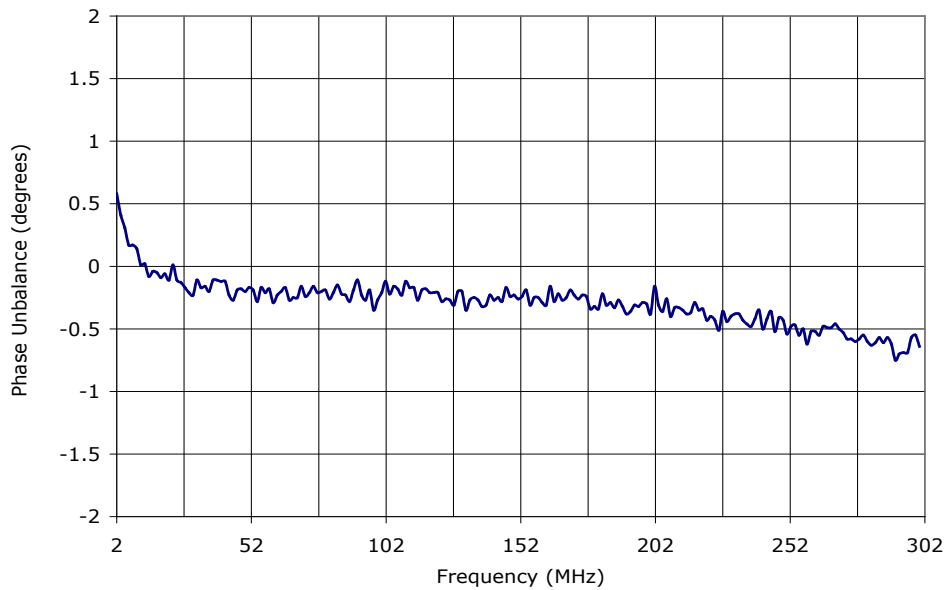
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PERFORMANCE PLOTS



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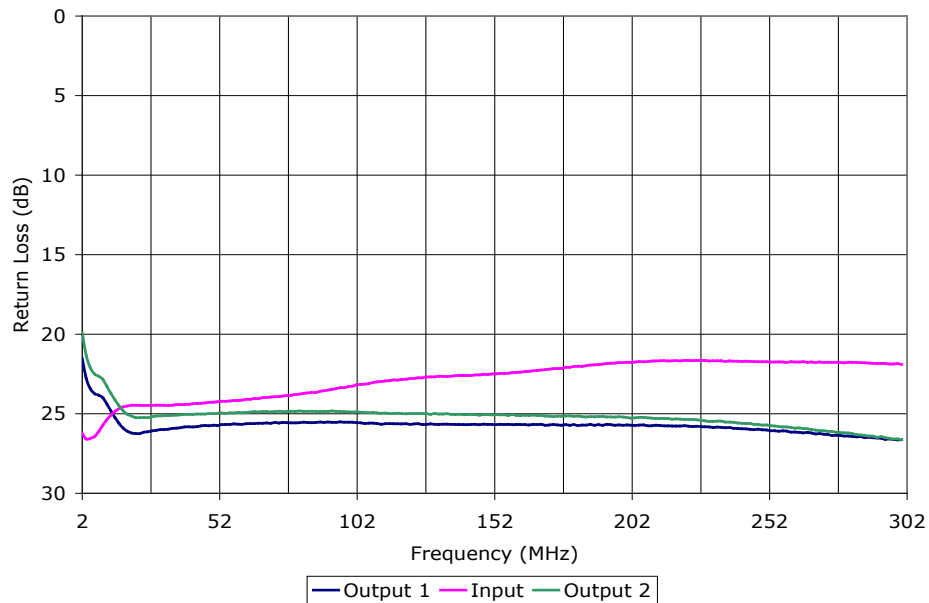


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PERFORMANCE PLOTS