

2-WAY POWER DIVIDER

SURFACE MOUNT MODEL: SDL-100

WIDE BANDWIDTH

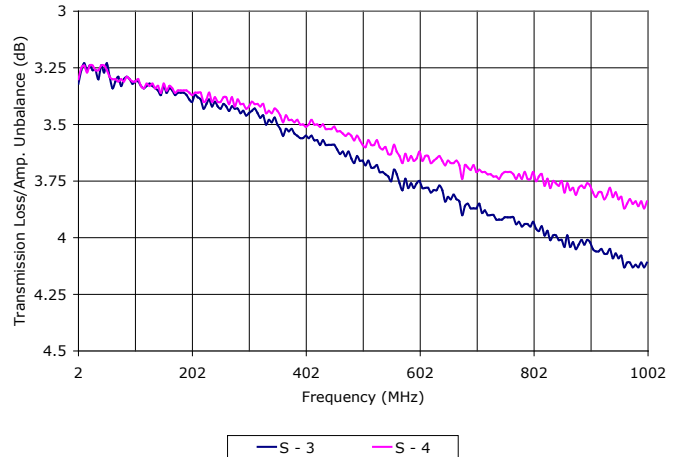
2 - 1000 MHz

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. A 08/06/09)

Frequency	2 - 1000 MHz		
Insertion Loss (dB) ¹	Freq. (MHz)	Typ.	Max.
	2-20	0.5	0.6
	20-500	0.7	0.9
	500-1000	1.2	1.5
Isolation (dB)	Freq. (MHz)	Typ.	Min.
	2-20	35	25
	20-500	27	17
	500-1000	23	17
Phase Unbalance	Freq. (MHz)	Deg. (Max.)	
	2-20	1	
	20-500	2	
	500-1000	4	
Amplitude Unbalance	Freq. (MHz)	dB (Max.)	
	2-20	0.2	
	20-500	0.3	
	500-1000	0.6	
Input Power ²	1 Watt (Max.)		
Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-40 to +85 °C		

¹ Insertion loss is above the theoretical 3.0 dB splitting loss.
² 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

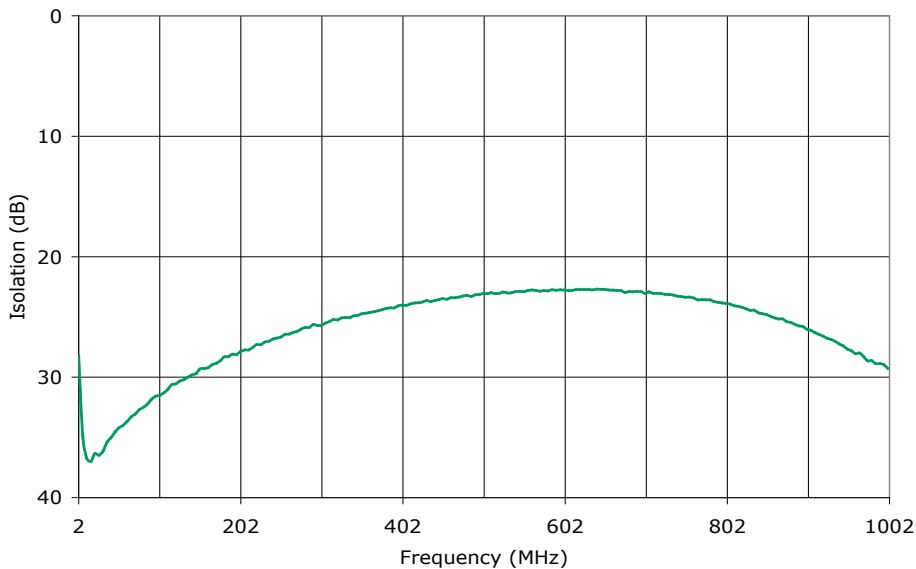
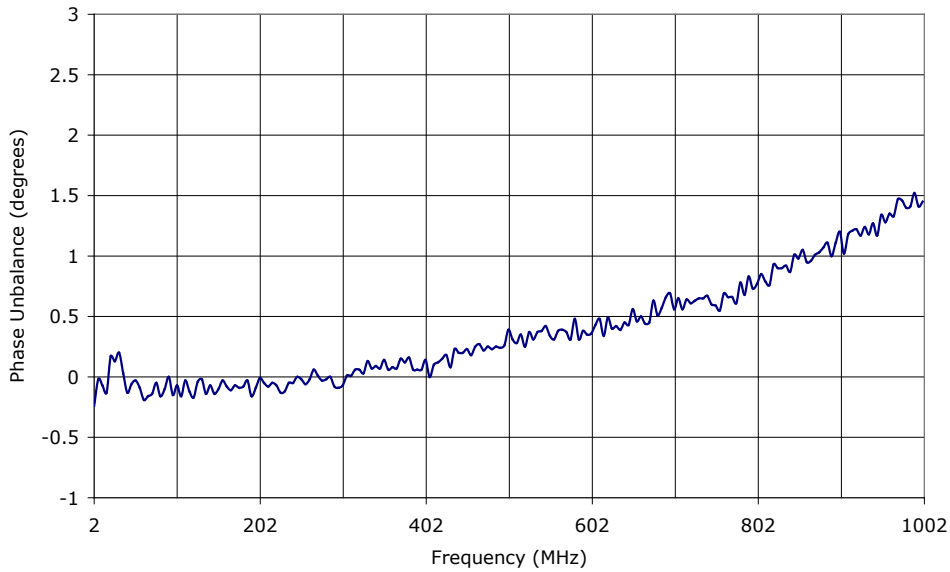
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PERFORMANCE PLOTS



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