

90° HYBRID

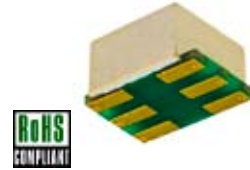
SURFACE MOUNT MODEL: SLQ-305

3:1 BANDWIDTH

40 - 120 MHz

FEATURES:

- ▶ Excellent Performance
- ▶ Small Size, Surface Mount
- ▶ Building Block For:
 - Power Amplifiers
 - Image Rejection Mixers
 - I & Q / SSB Modulators
 - Phase Shifters & More...



SPECIFICATIONS (Rev. C 11/20/09)

Frequency	40 - 120 MHz	
Insertion Loss (dB) *	Typ.	Max.
	0.3	0.5
Amplitude Unbalance	Typ.	Max.
	0.6	1.2
Phase Unbalance (Deg.)	Typ.	Max.
	2.0°	4.0°
Isolation (dB)	Typ.	Min.
	23	17
Power Rating	1 Watt (Max.)	
Impedance	50 Ohms (Nom.)	
VSWR	1.25:1 (Typ.)	
Operating Temperature Range	-40 to +85 °C	

* Insertion loss is the average loss of the 2 coupling values in excess of the theoretical 3 dB coupling.

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	Isolated*	+90° Output	0° Output	GND. **
6	5*	1	2	3,4

* Terminate ISOLATED port in 50 Ohms EXTERNALLY.
** Ground externally.

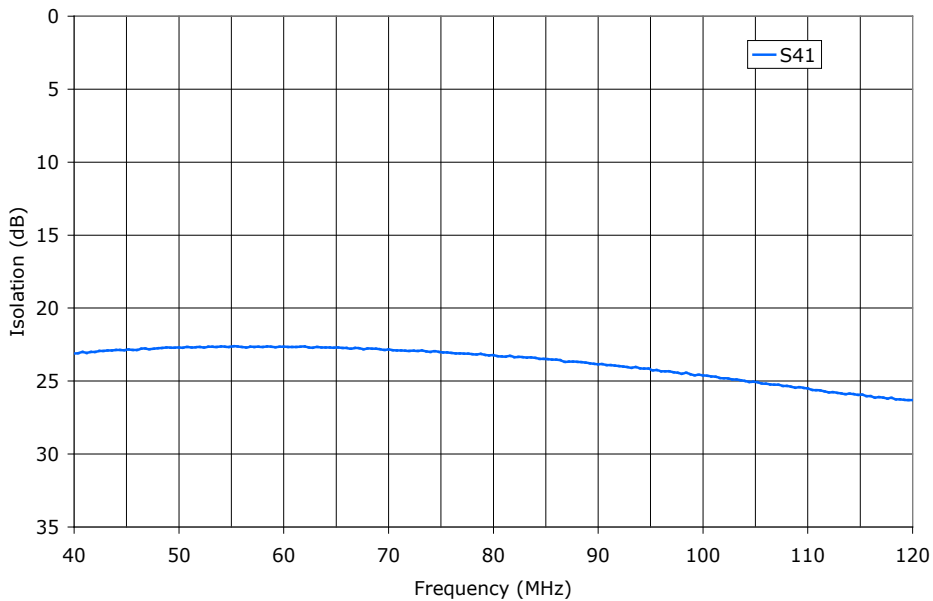
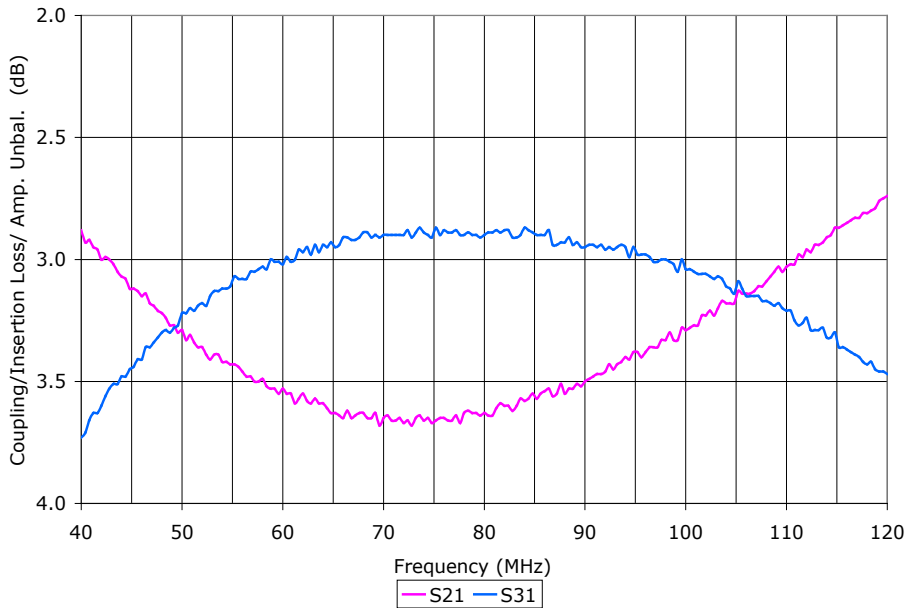
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Data @ 25°C



PERFORMANCE PLOTS

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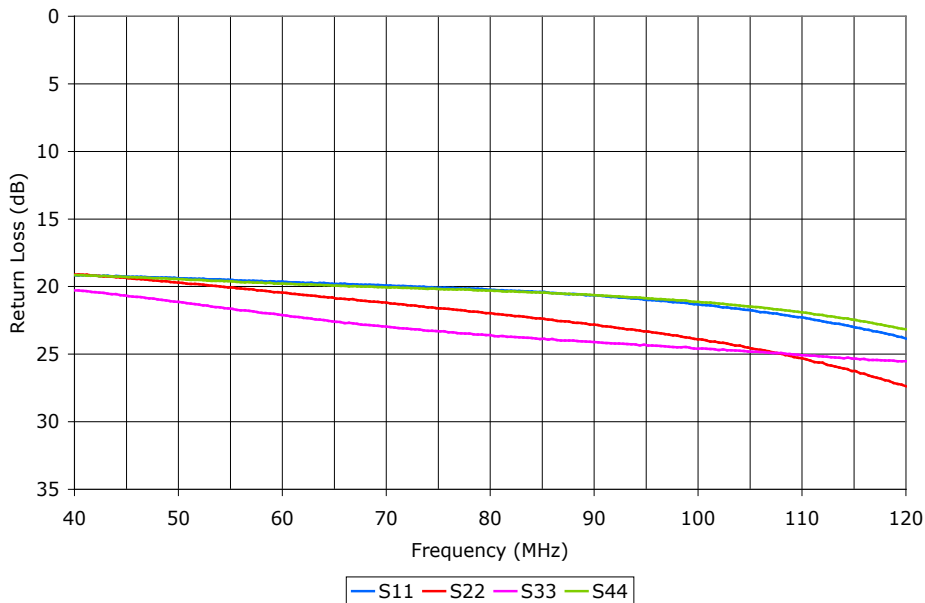
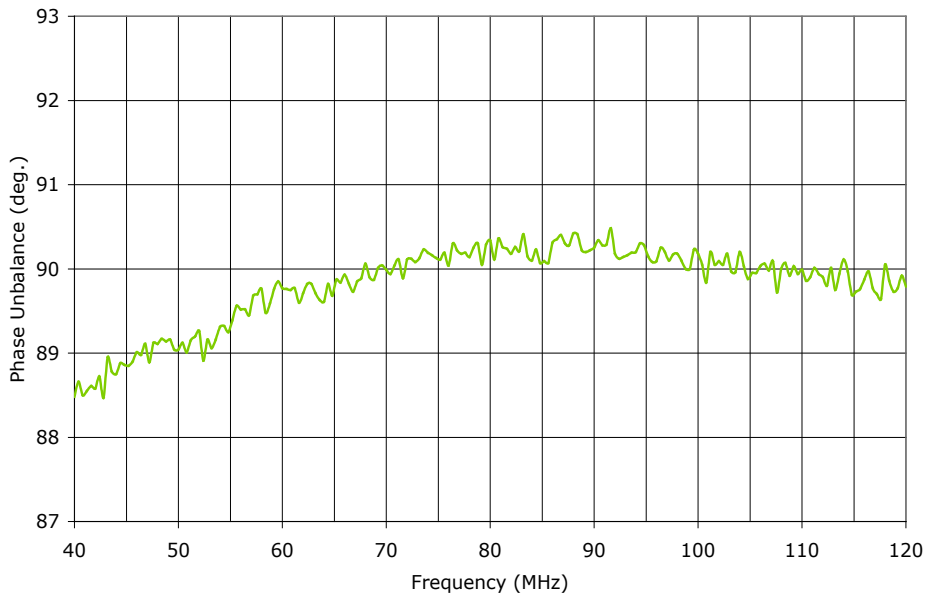
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PERFORMANCE PLOTS



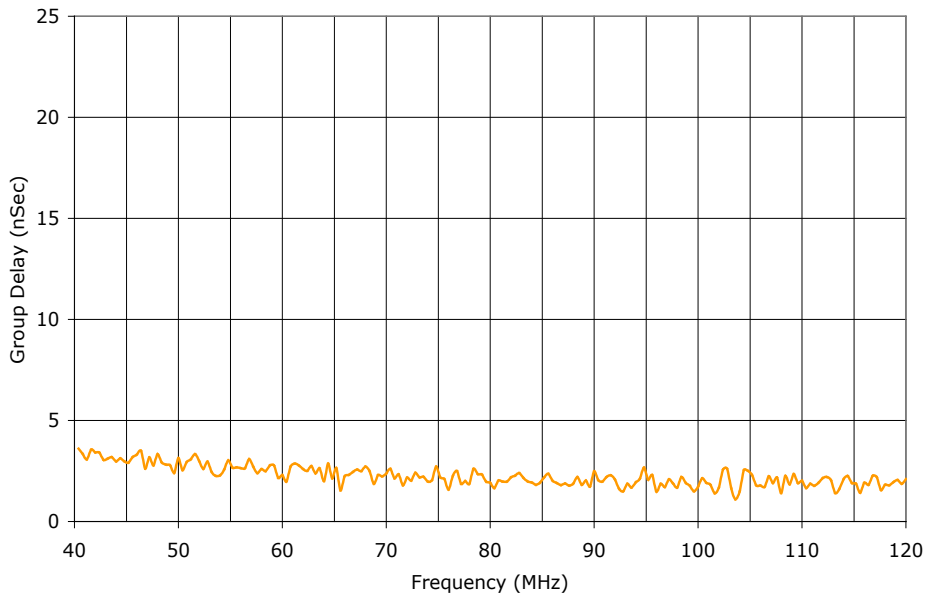
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PERFORMANCE PLOTS



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