

90° HYBRID

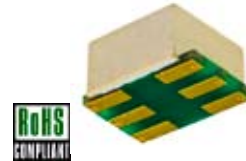
SURFACE MOUNT MODEL: SLQ-330

3:1 BANDWIDTH

240 - 720 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. F 11/24/09)

Frequency	240 - 720 MHz	
Insertion Loss (dB) *	Typ. 0.4	Max. 0.8
Amplitude Unbalance	Typ. 1.5	Max. 1.8
Phase Unbalance	Typ. 3°	Max. 5°
Isolation (dB)	Typ. 17	Min. 14
Input Power	1 Watt (Max.)	
Impedance	50 Ohms (Nom.)	
VSWR	1.35:1 (Typ.)	
Operating Temperature Range	-40 to +85 °C	
Storage Temperature Range	-55 to +100 °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

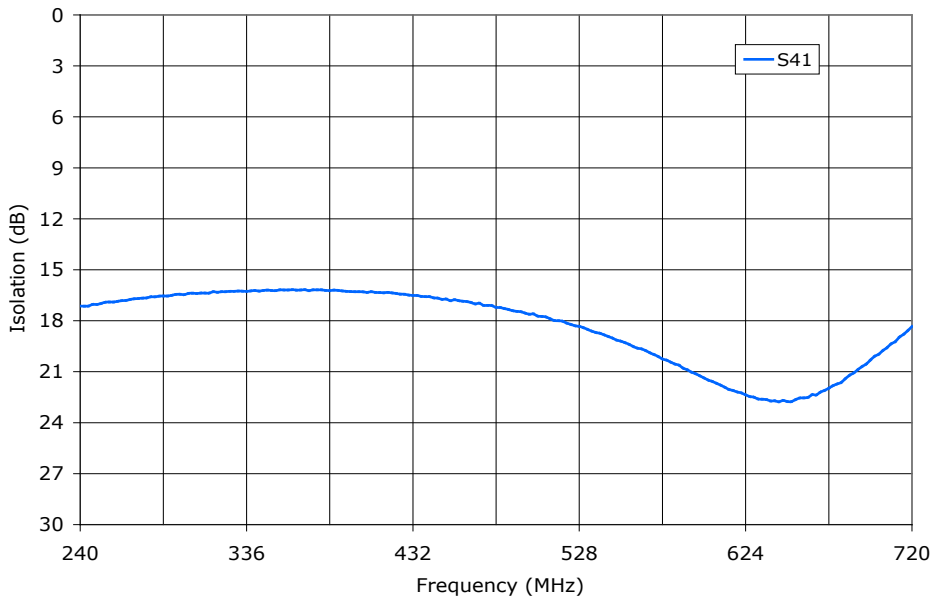
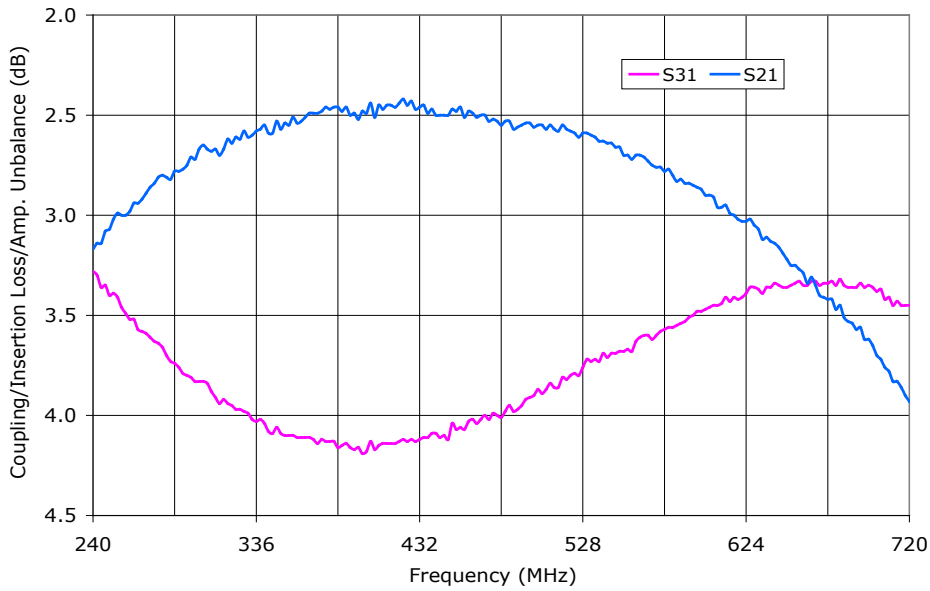
90° HYBRID

SURFACE MOUNT MODEL: SLQ-330

3:1 BANDWIDTH

240 - 720 MHz

Data @ 25°C



PERFORMANCE PLOTS

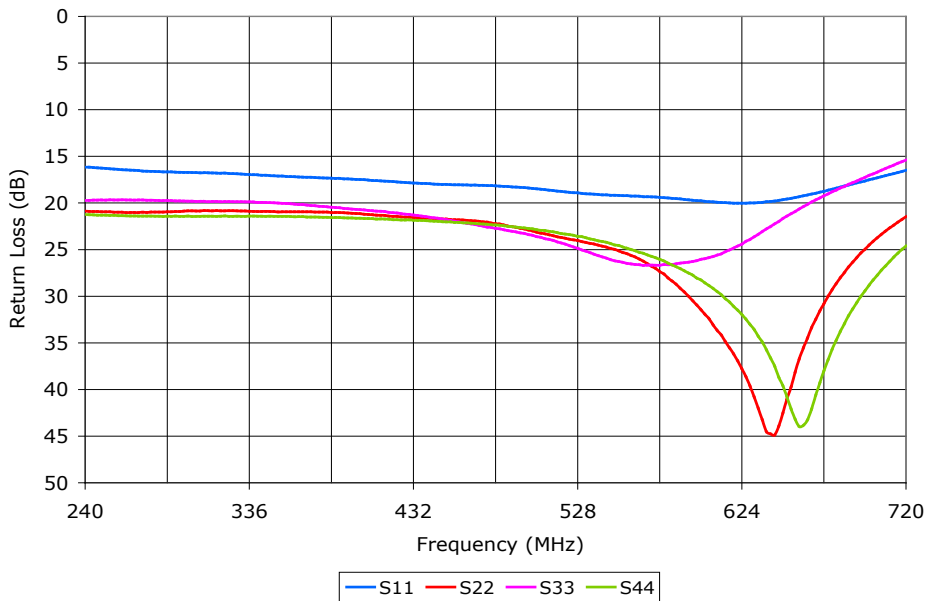
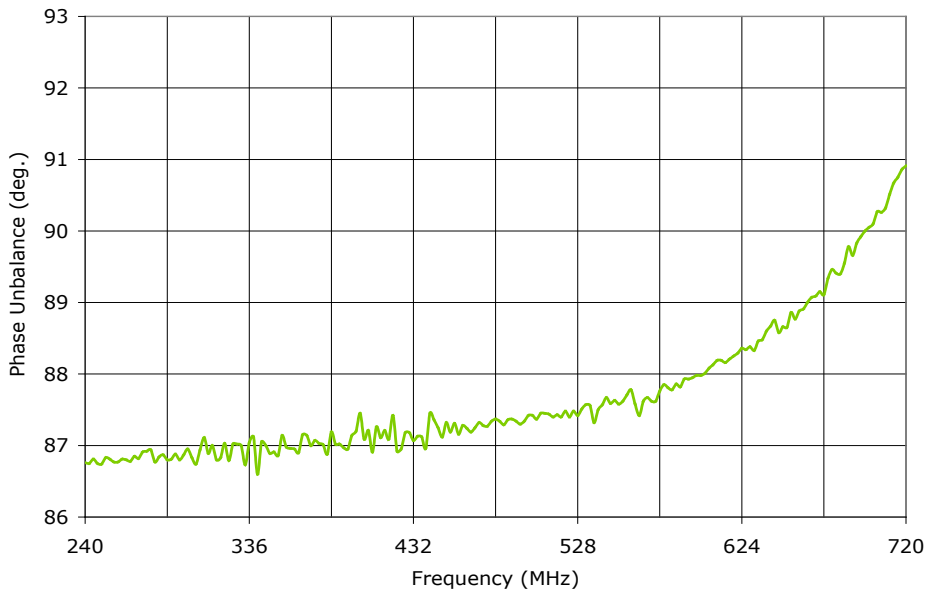
90° HYBRID

SURFACE MOUNT MODEL: SLQ-330

3:1 BANDWIDTH

240 - 720 MHz

Data @ 25°C



PERFORMANCE PLOTS

