

# 90° HYBRID

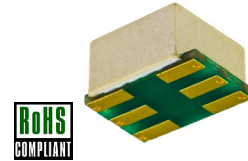
## SURFACE MOUNT MODEL: SLQ-KA1

**2:1 BANDWIDTH**

**5 - 10 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. A 03/12/25)**

Frequency	5 - 10 MHz	
Insertion Loss (dB) *	Typ.	Max.
	0.3	0.6
Amplitude Unbalance	Typ.	Max.
	0.35	0.8
Phase Unbalance (Deg.)	Typ.	Max.
	0.7	3
Isolation (dB)	Typ.	Min.
	36	20
Power Rating	1 Watt (Max.)	
Impedance	50 Ohms (Nom.)	
VSWR	1.10:1 (Typ.)	
Operating Temperature Range	-40 to +85 °C	
Storage Temperature Range	-55 to +100 °C	

\* Insertion loss in excess of the theoretical 3 dB coupling.

Package #	159LF			
-----------	-------	--	--	--

TOP VIEW

SIDE VIEW

BOTTOM VIEW

LAYOUT FOR PRINTED CIRCUIT DESIGN

TOLERANCES ON THREE DECIMAL PLACES= ± 0.015  
 PACKAGE MONTING: 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

REL-PRO® PATENT NO. 7,612,296



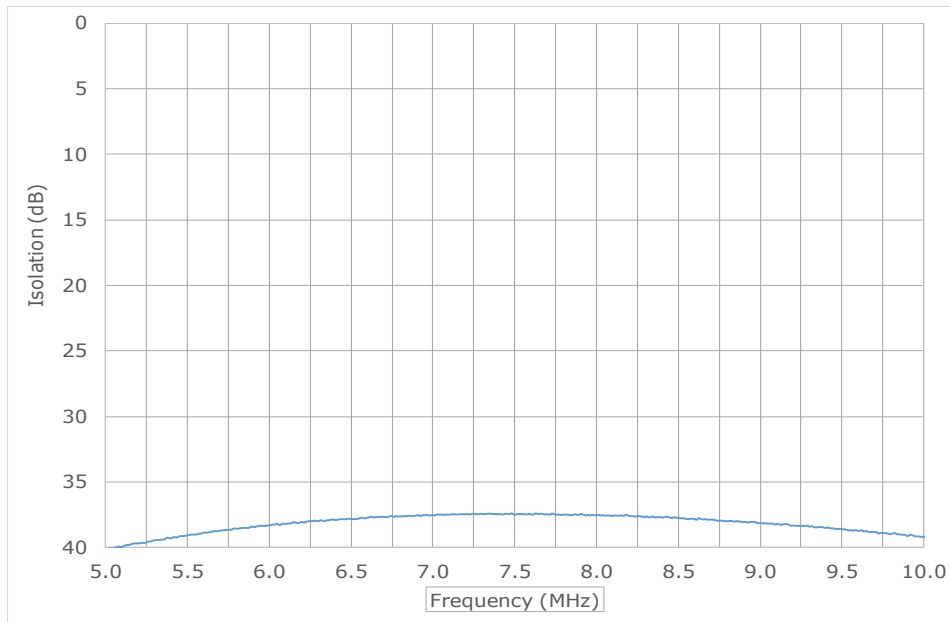
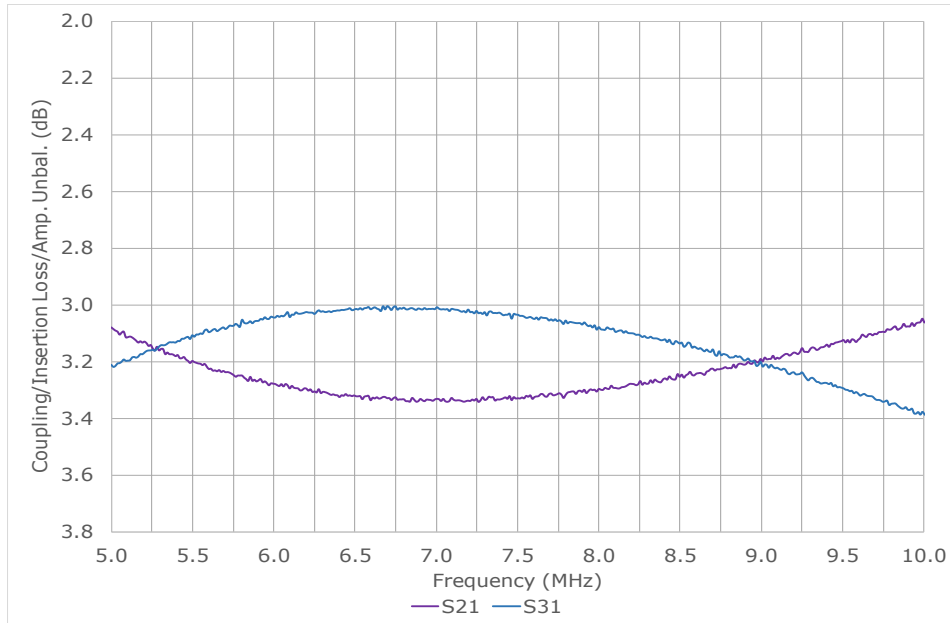
# 90° HYBRID

## SURFACE MOUNT MODEL: SLQ-KA1

2:1 BANDWIDTH

5 - 10 MHz

Data @ 25°C



PERFORMANCE PLOTS

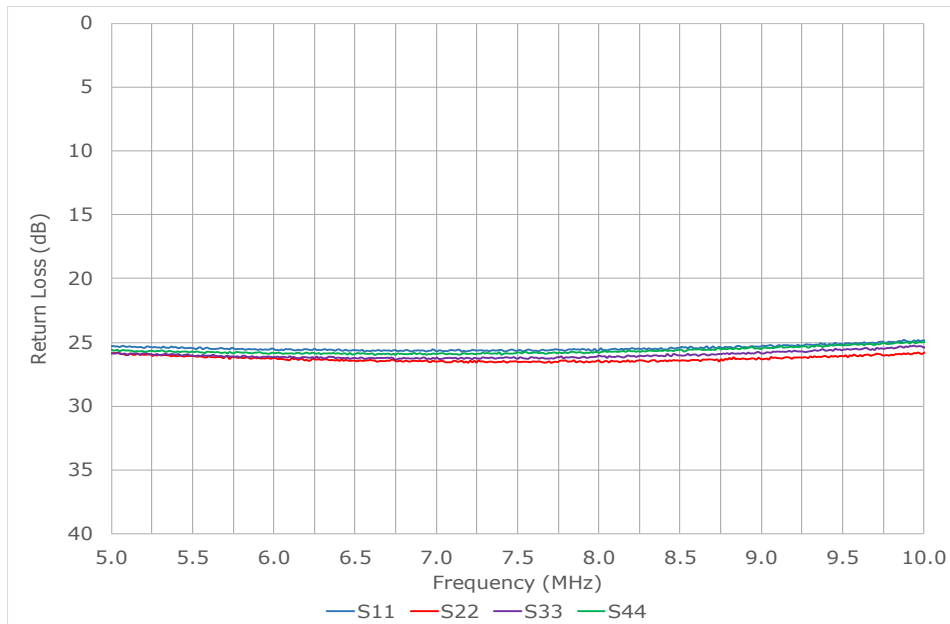
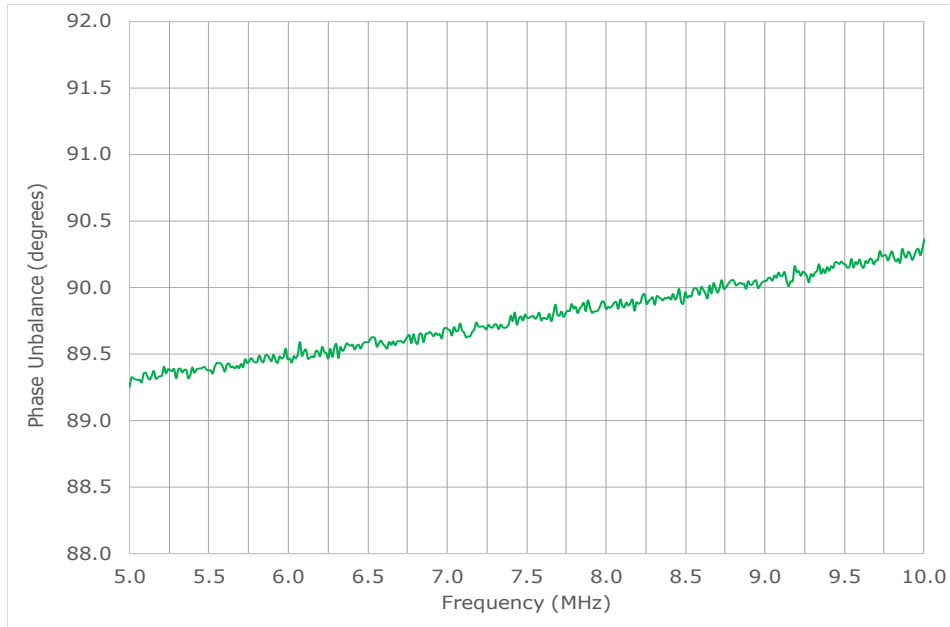
# 90° HYBRID

## SURFACE MOUNT MODEL: SLQ-KA1

2:1 BANDWIDTH

5 - 10 MHz

Data @ 25°C



PERFORMANCE PLOTS

