

# 90° HYBRID

## SURFACE MOUNT MODEL: SLQ-K04

**OCTAVE BANDWIDTH**

**100 - 200 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. E 11/24/09)**

Frequency	100 - 200 MHz	
Insertion Loss (dB) *	Typ.	Max.
	0.4	0.8
Amplitude Unbalance	Typ.	Max.
	0.5	1.0
Phase Unbalance	Typ.	Max.
	1°	3°
Isolation (dB)	Typ.	Min.
	18	15
Input Power	1 Watt (Max.)	
Impedance	50 Ohms (Nom.)	
VSWR	1.3:1 (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.		

<b>Package #</b>	<b>159LF</b>			
REL-PRO® Patent No. 7,612,296 PACKAGE MOUNTING: SEE APPLICATION NOTES AN7200 & AN7301				
<b>Port Configuration</b>				
<b>Input</b>	<b>Isolated*</b>	<b>+90° Output</b>	<b>0° Output</b>	<b>GND.**</b>
6	5	1	2	3,4
* Terminate ISOLATED port in 50 Ohms EXTERNALLY.				
** Ground Externally				

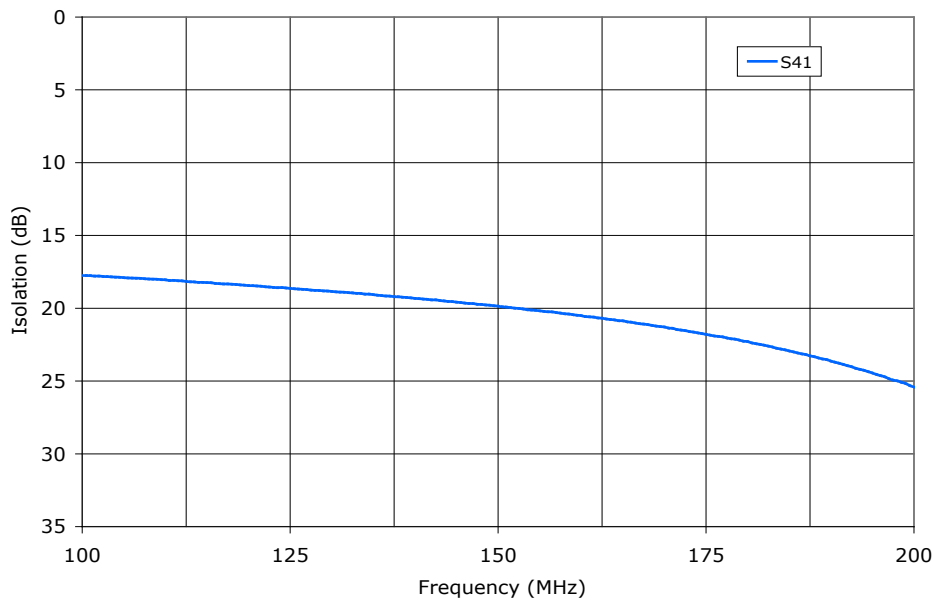
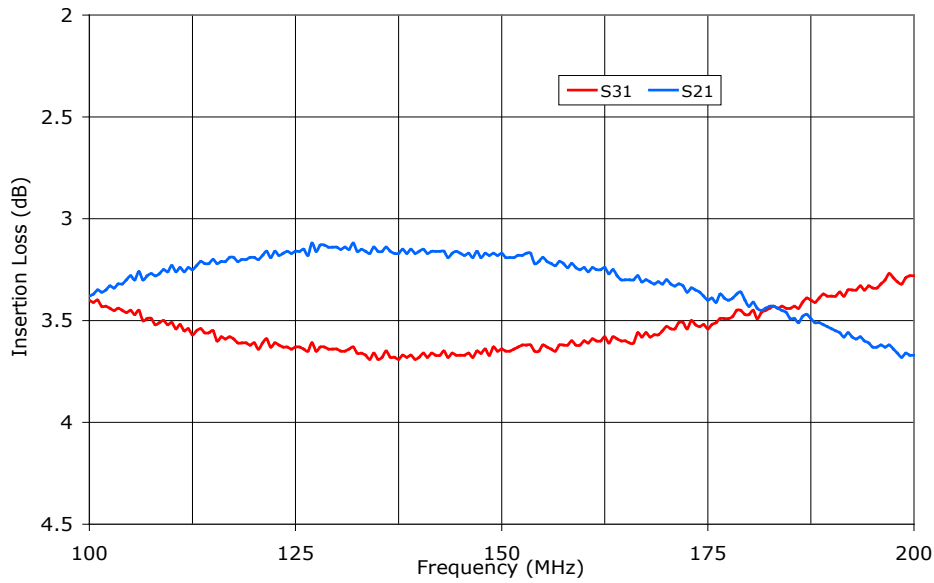
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Data @ 25°C



PERFORMANCE PLOTS



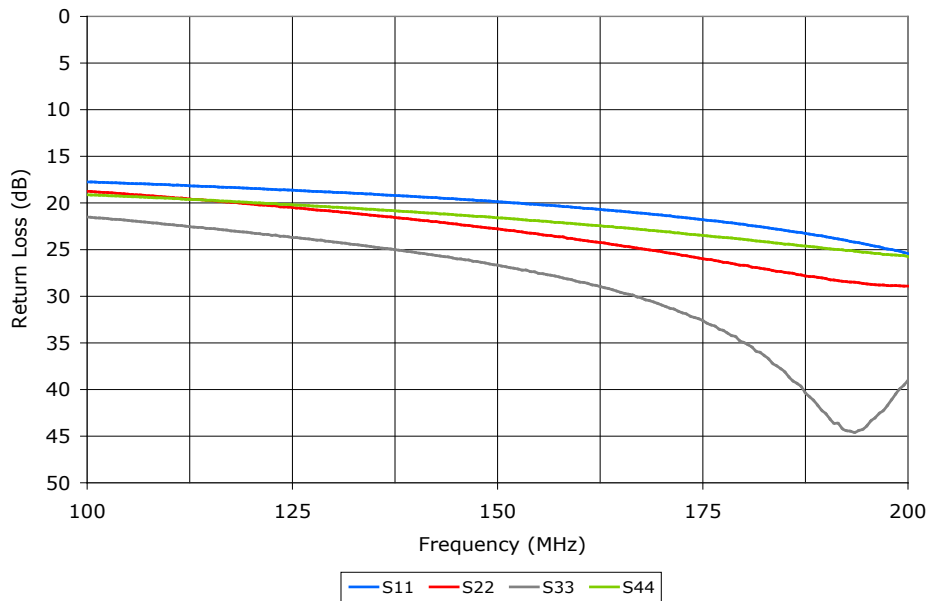
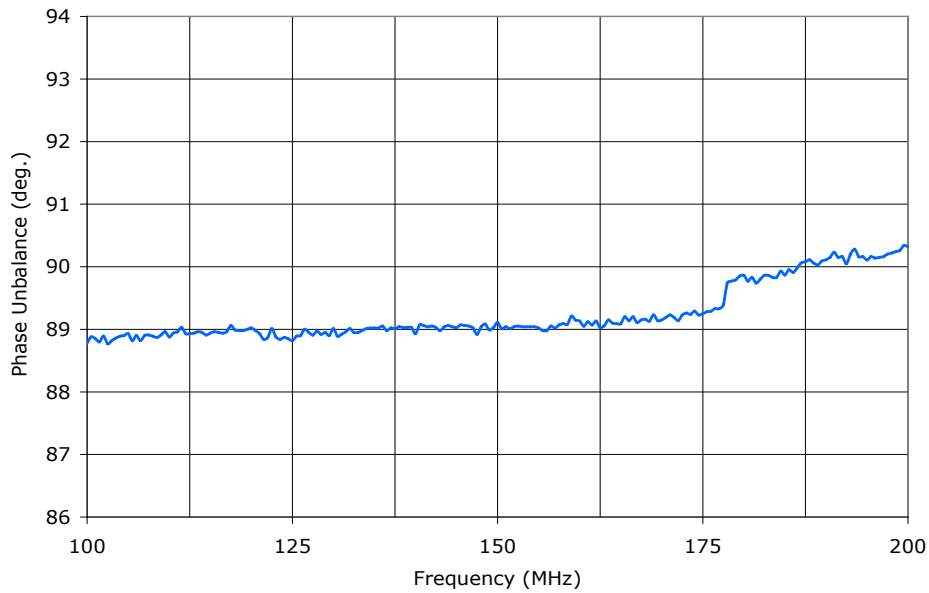
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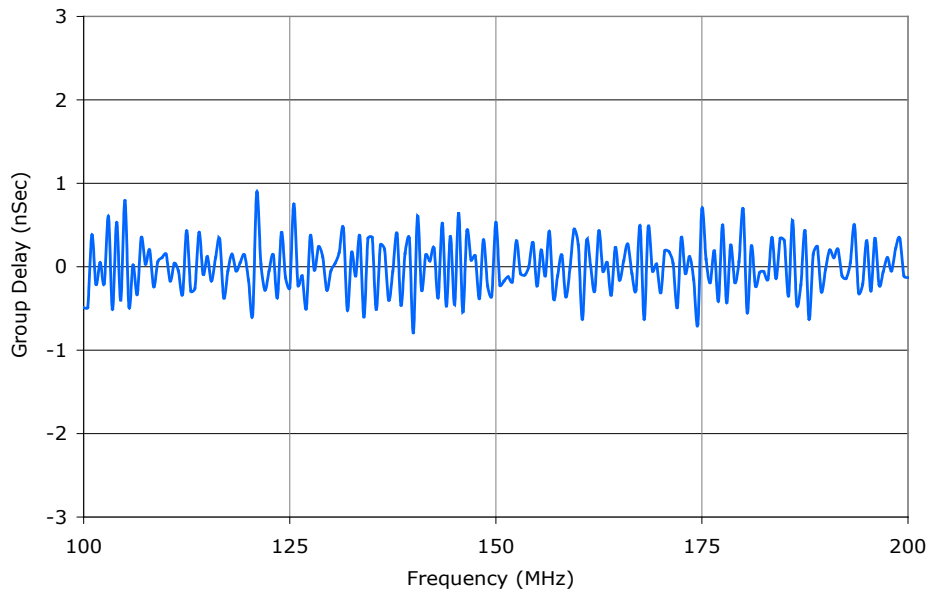
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