

90° HYBRID

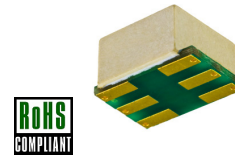
SURFACE MOUNT MODEL: SLQ-K10

OPTIMIZED BANDWIDTH

500 - 1000 MHz

FEATURES:

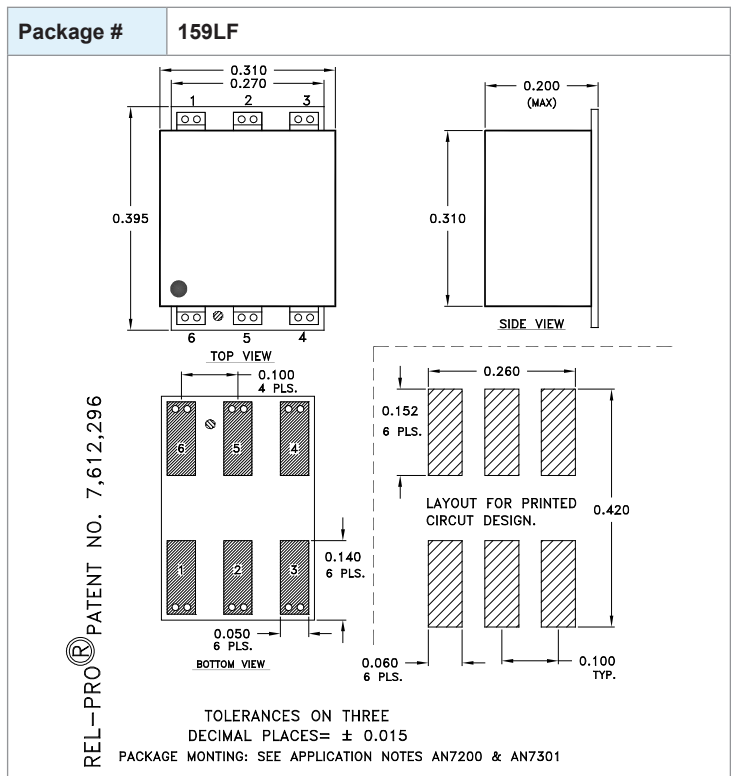
- ▶ Excellent Performance
- ▶ Small Size, Surface Mount
- ▶ Building Block For:
 - Power Amplifiers
 - Image Rejection Mixers
 - I & Q / SSB Modulators
 - Phase Shifters & More...



SPECIFICATIONS (Rev. E 09/18/18)

Frequency	500 - 1000 MHz	
Insertion Loss (dB) *	Typ.	Max.
	0.8	1.2
Amplitude Unbalance	Typ.	Max.
	1.3	1.6
Phase Unbalance (Deg.)	Typ.	Max.
	6	10
Isolation (dB)	Typ.	Min.
	15	10
Power Rating	1 Watt (Max.)	
Impedance	50 Ohms (Nom.)	
VSWR	1.8:1 (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.



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

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

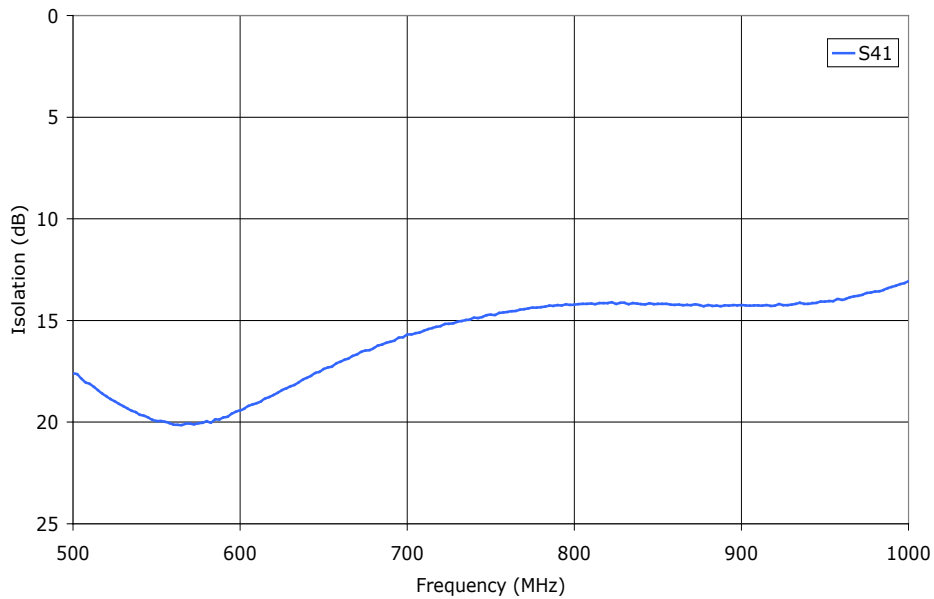
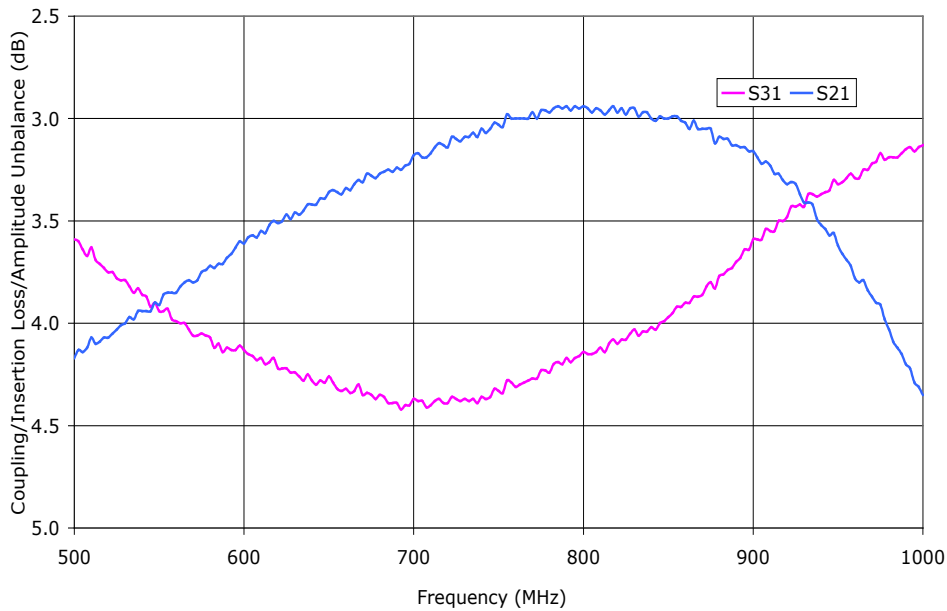
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Data @ 25°C



PERFORMANCE PLOTS

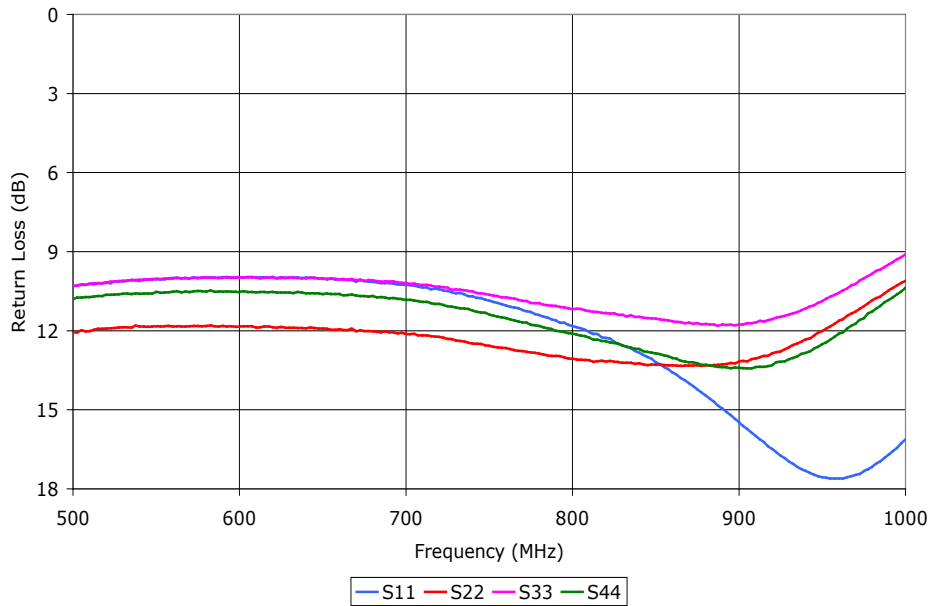
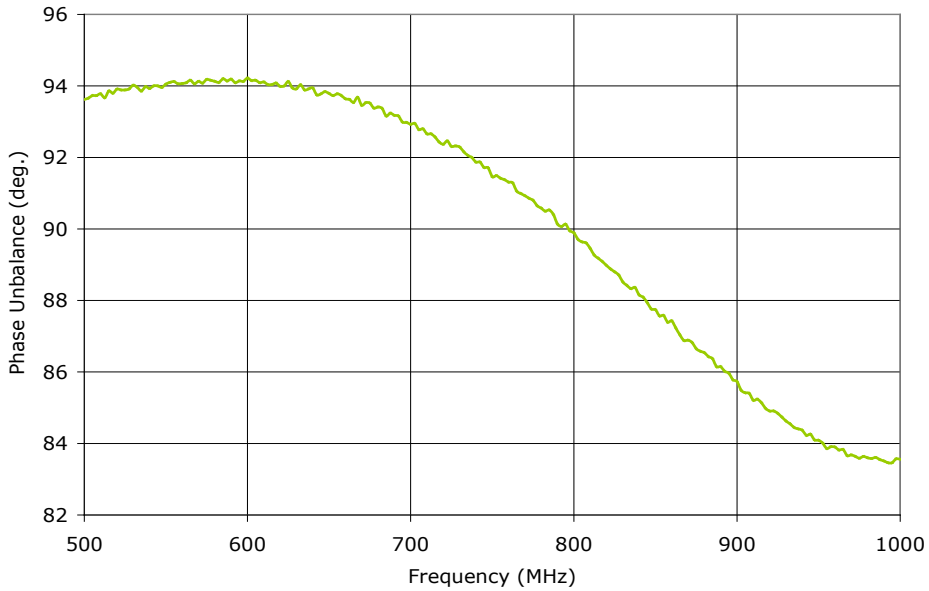
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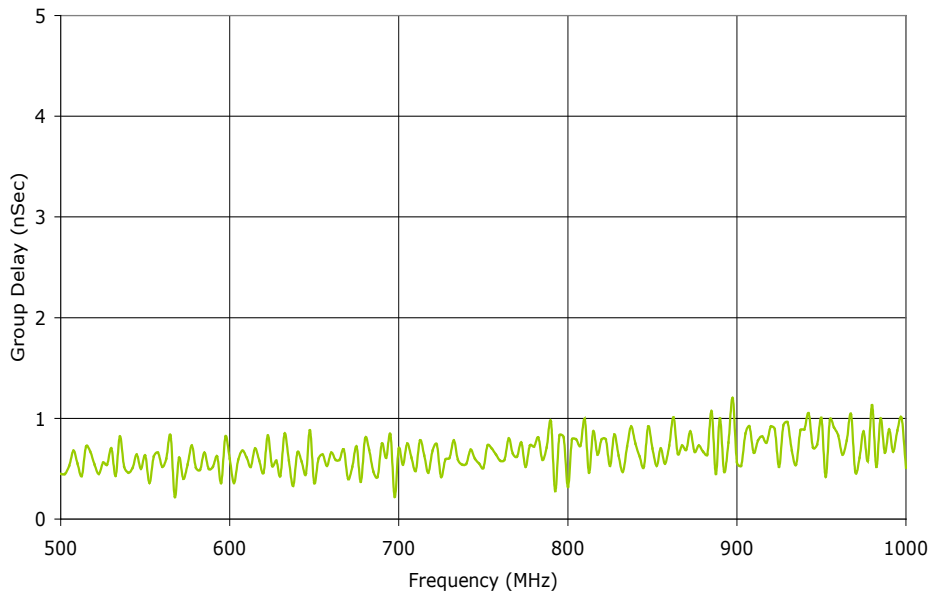
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PERFORMANCE PLOTS



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