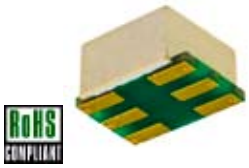
90º HYBRID
SURFACE MOUNT MODEL: SLQ-KA4

OPTIMIZED BANDWIDTH 80 - 160 MHz

FEATURES:

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

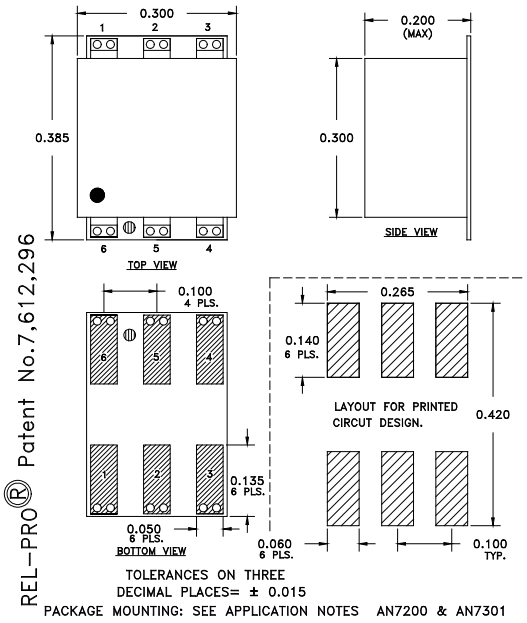


SPECIFICATIONS (Rev. C 11/20/09)

Frequency	80 - 160 MHz
Insertion Loss (dB) *	Typ. 0.45 / Max. 0.65
Amplitude Unbalance (dB)	Typ. 0.4 / Max. 1.0
Phase Unbalance (Deg.)	Typ. 2.0º / Max. 3.0º
Isolation (dB)	Typ. 27 / Min. 18
Power Rating	1 Watt (Max.)
Impedance	50 Ohms (Nom.)
VSWR	1.3:1 (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



Port Configuration

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

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

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E-Mail: sales@synergymwave.com • World Wide Web: http://www.synergymwave.com

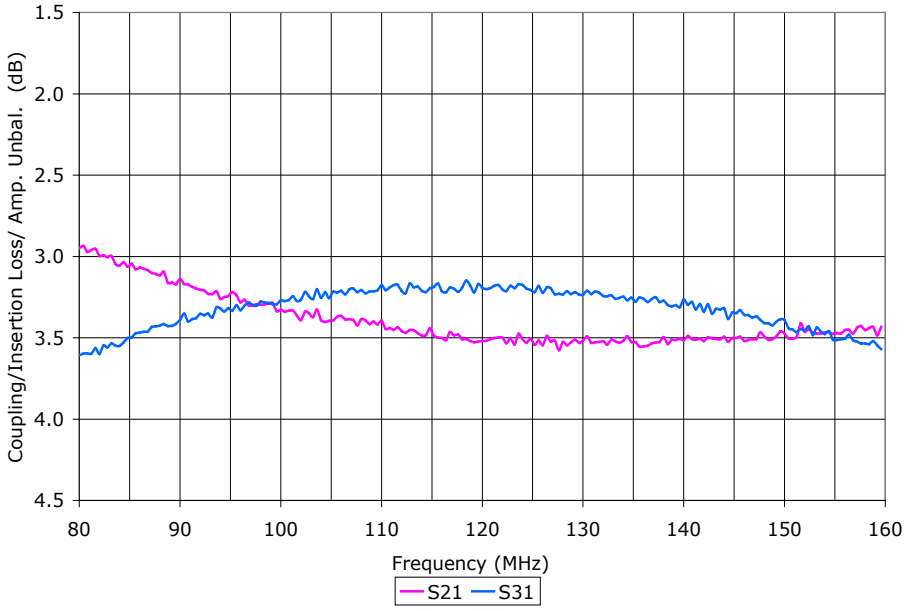
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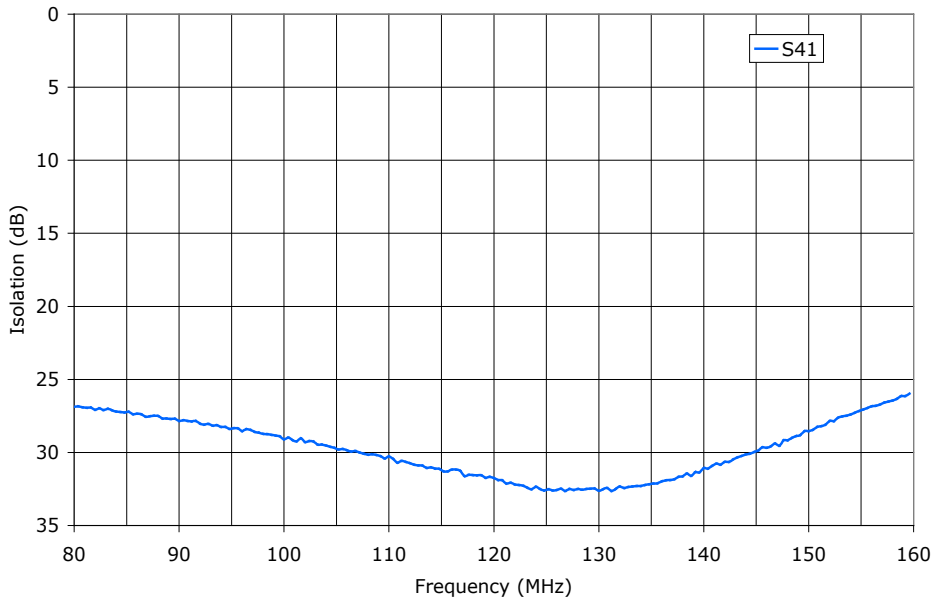
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Data @ 25ºC

PERFORMANCE PLOTS





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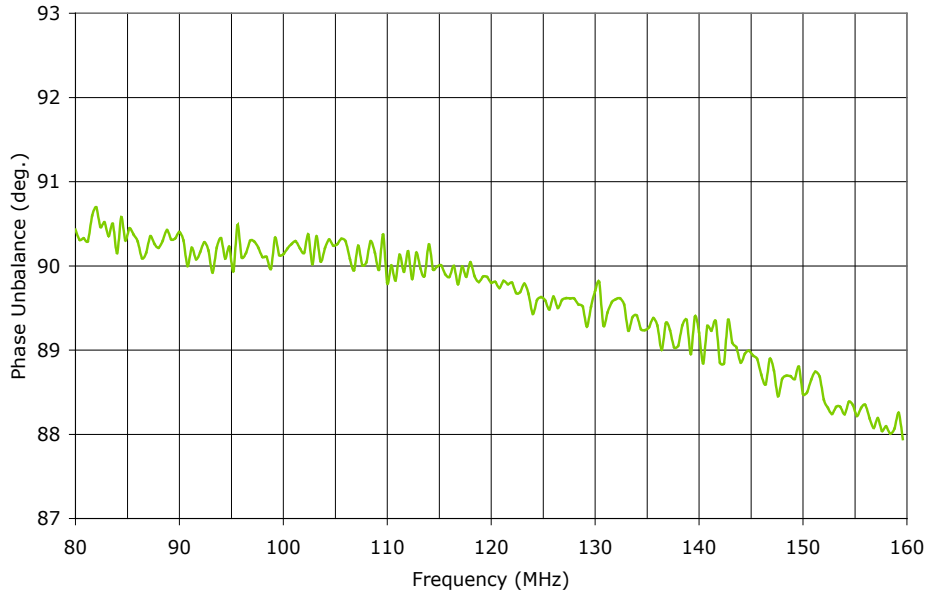
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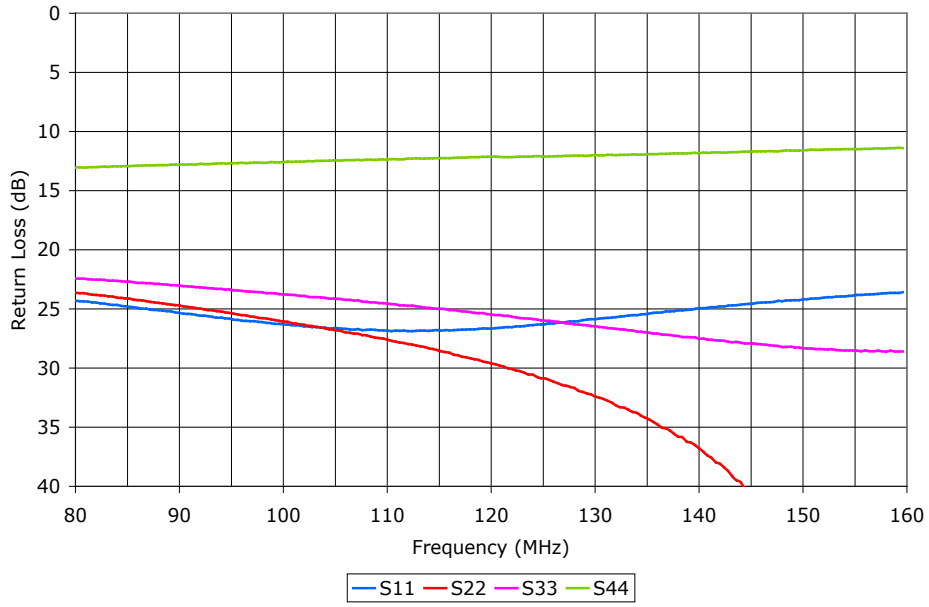
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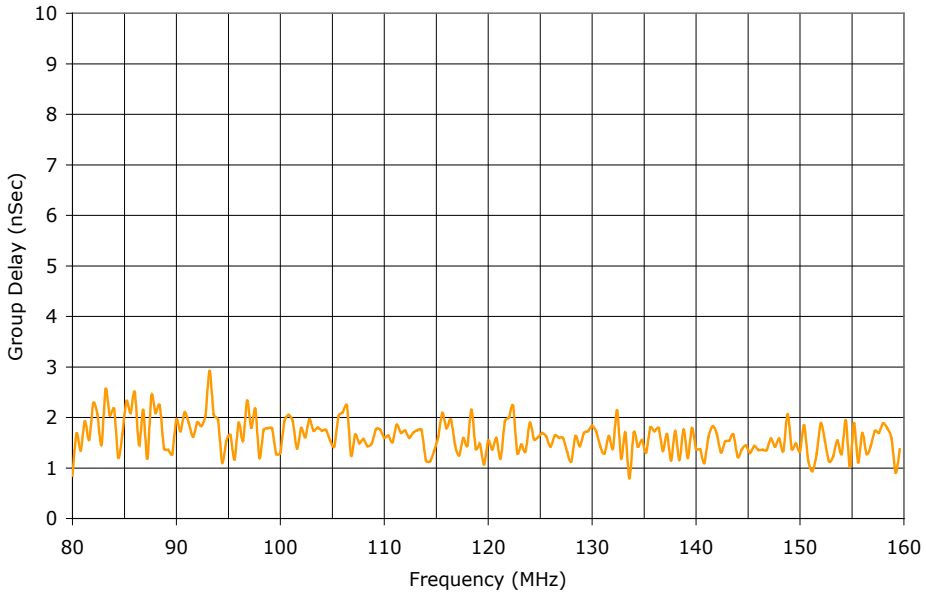
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