

90° HYBRID

SURFACE MOUNT MODEL: SMQ-C12

OPTIMIZED BANDWIDTH

127.72 MHz

FEATURES:

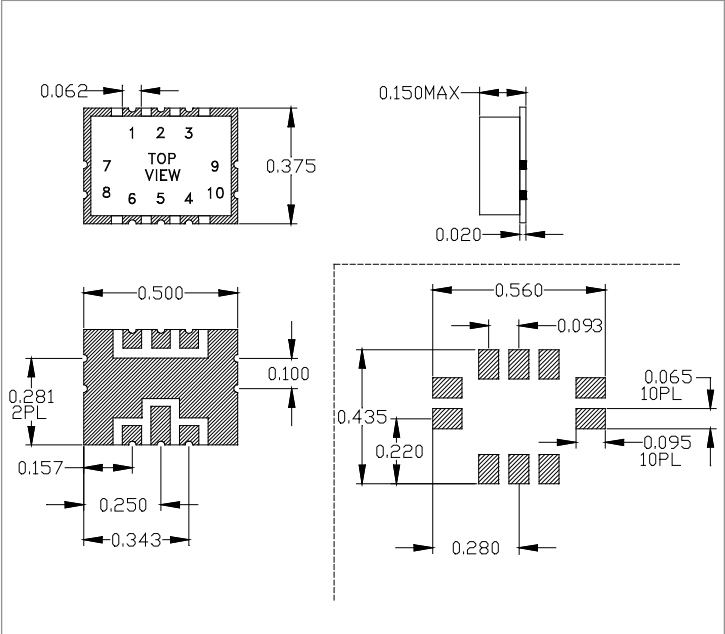
- ▶ Excellent Performance
- ▶ Ultra Wide Bandwidth
- ▶ Building Block For:
 - Power Amplifier
 - Image Rejection Mixers
 - I & Q / SSB Modulators
 - Phase Shifters & More...



SPECIFICATIONS (Rev. A 09/28/06)

Frequency	127.72 MHz	
Insertion Loss (dB)	Typ.	Max.
	0.2	0.4
Amplitude Unbalance	0.2 dB (Max.)	
Phase Unbalance	2° (Max.)	
Isolation (dB)	Typ.	Min.
	20	17
Power Rating	100 mW (Max.)	
Impedance	50 Ohms (Nom.)	
VSWR	1.3:1 (Typ.)	
Operating Temperature Range	-30 to +85 °C	

Package #	129
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Pin-Out				
Input	Isolated*	+90° Output	0° Output	GND.
1	4	6	3	All Others

* Terminate ISOLATED port in 50 Ohms EXTERNALLY



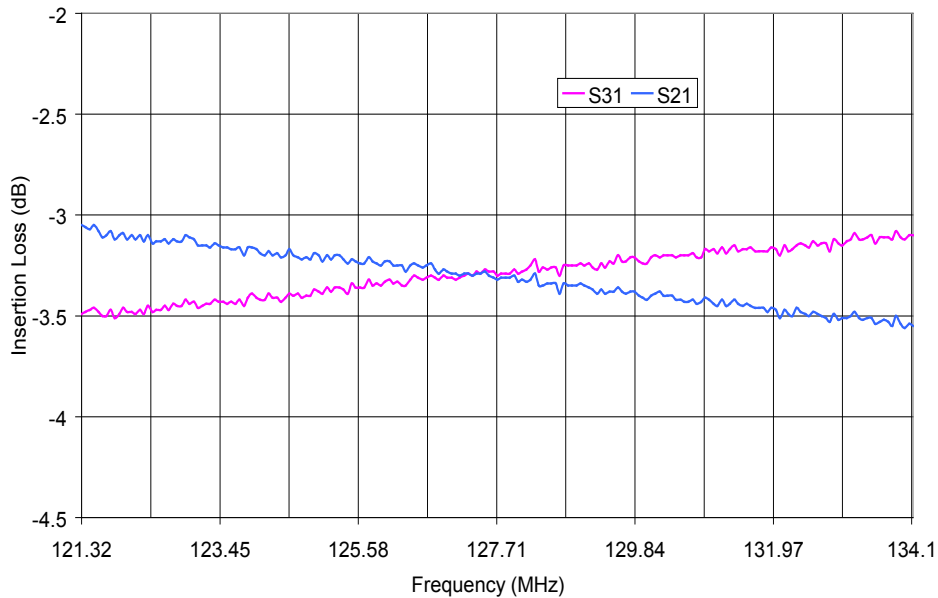
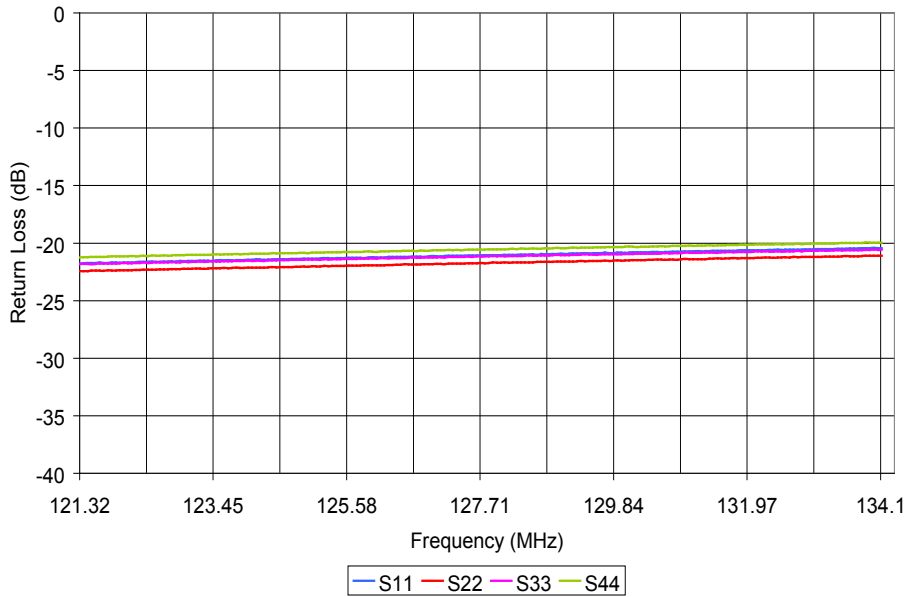
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Data @ 25°C



PERFORMANCE PLOTS

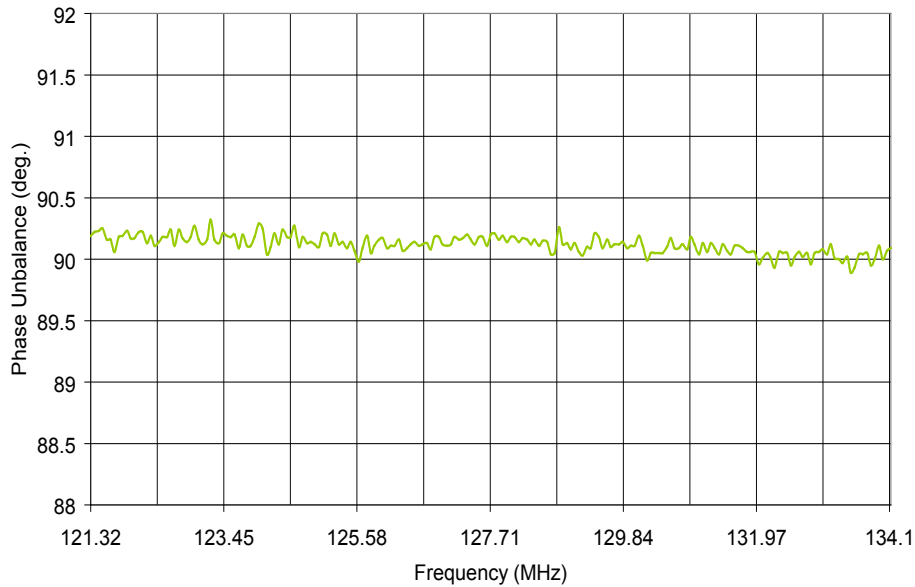
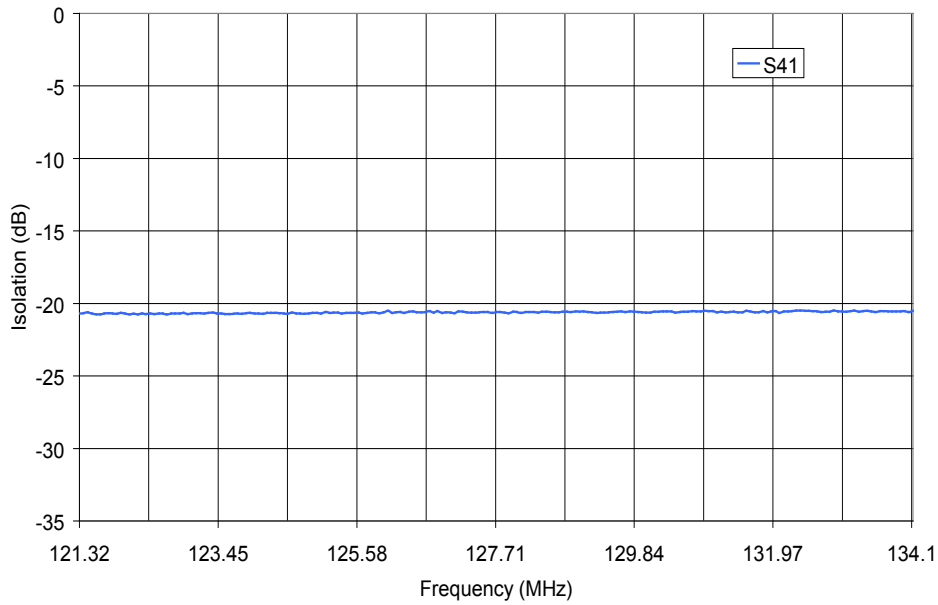
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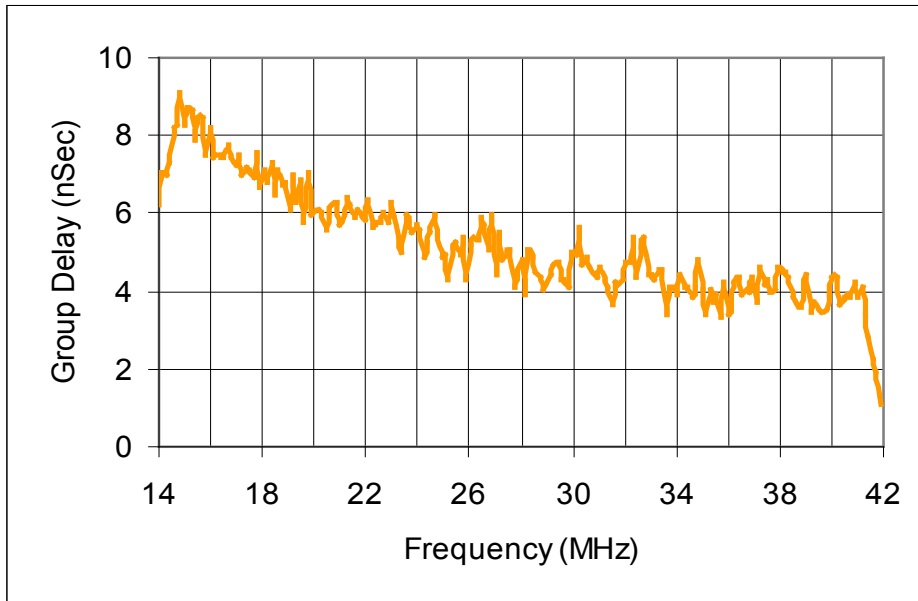
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