

90° HYBRID

SURFACE MOUNT MODEL: DQS-30-90

3:1 BANDWIDTH

30 - 90 MHz

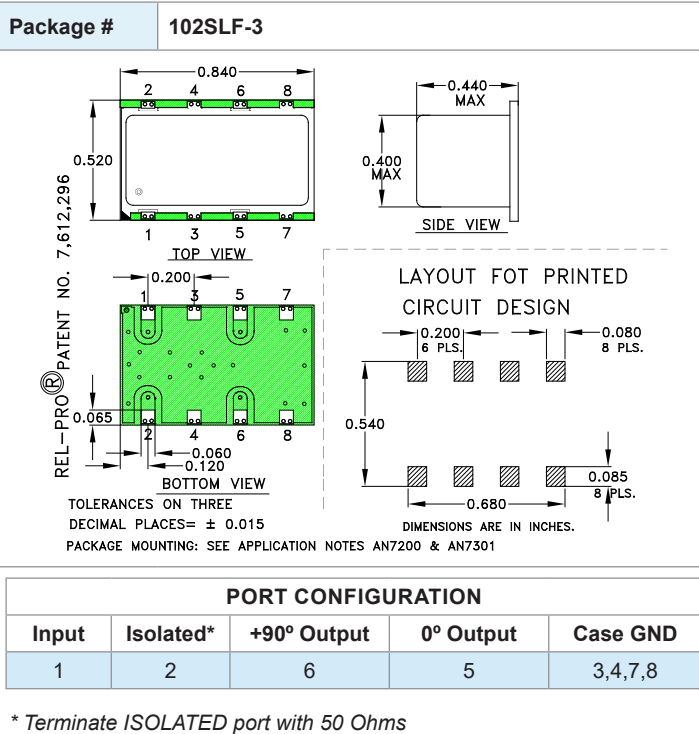
FEATURES:

- ▶ Small Package Size
- ▶ Building Block For:
 - Amplifiers
 - Image Rejection Mixers
 - I & Q / SSB Modulators
 - Phase Shifters & More...



SPECIFICATIONS (Rev. A 10/01/24)

Frequency	30 - 90 MHz	
Insertion Loss (dB)	Typ. 0.3	Max. 0.6
Amplitude Unbalance (dB)	Typ. 0.8	Max. 1.2
Phase Unbalance (Deg.)	Typ. 1.0	Max. 3.0
Isolation (dB)	Typ. 23	Min. 18
Power Rating	25 Watt (Max.)	
Impedance	50 Ohms (Nom.)	
VSWR	1.35:1 (Max.)	
Operating Temperature Range	-40 to +85°C	



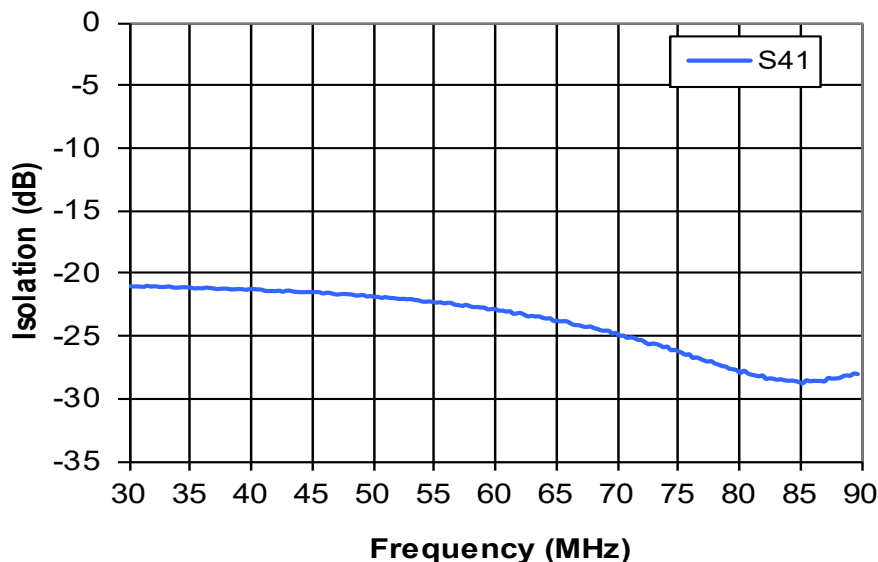
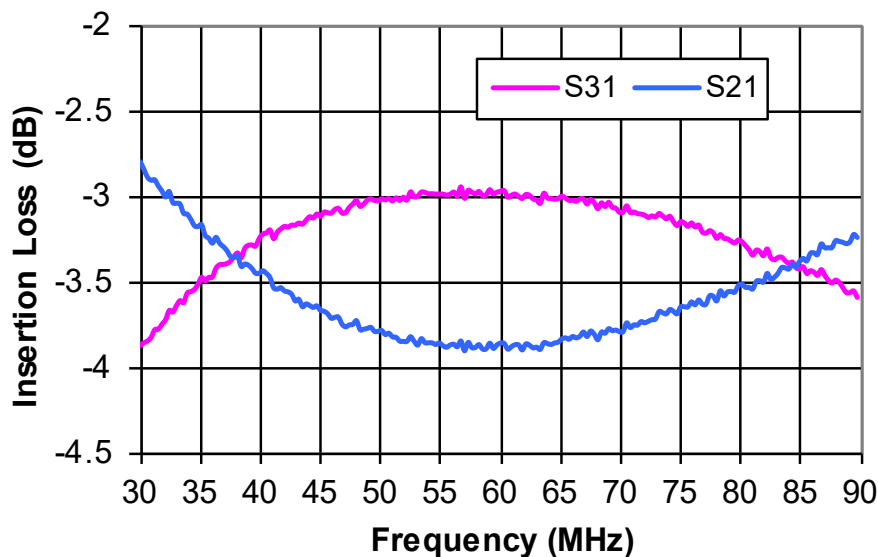
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Data @ 25°C



PERFORMANCE PLOTS

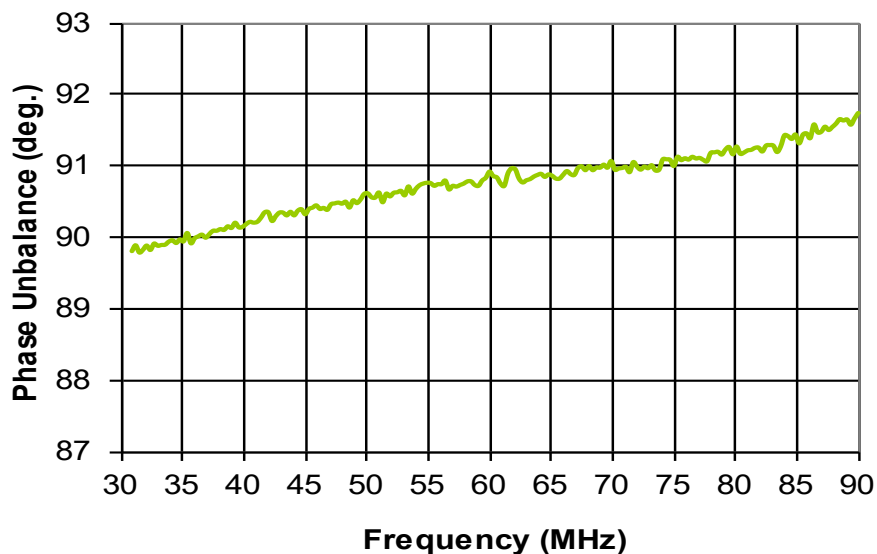
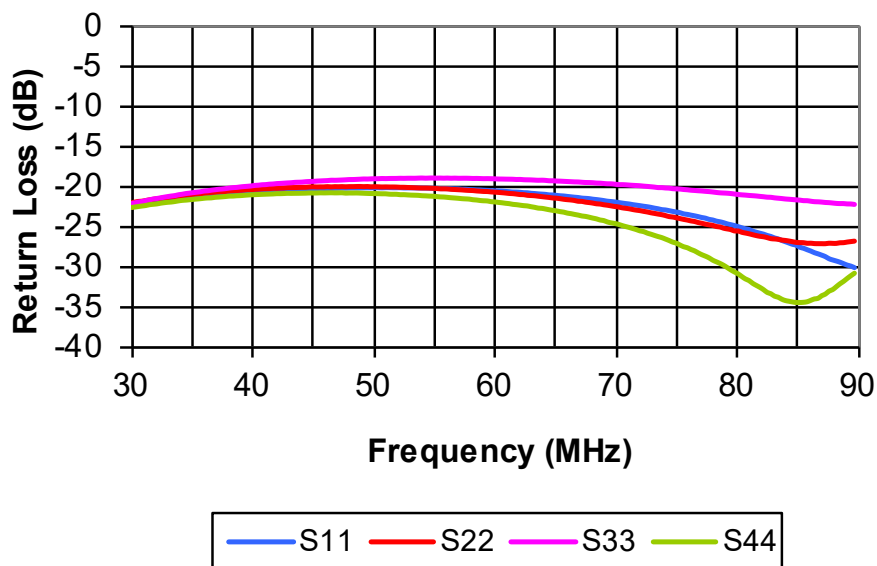
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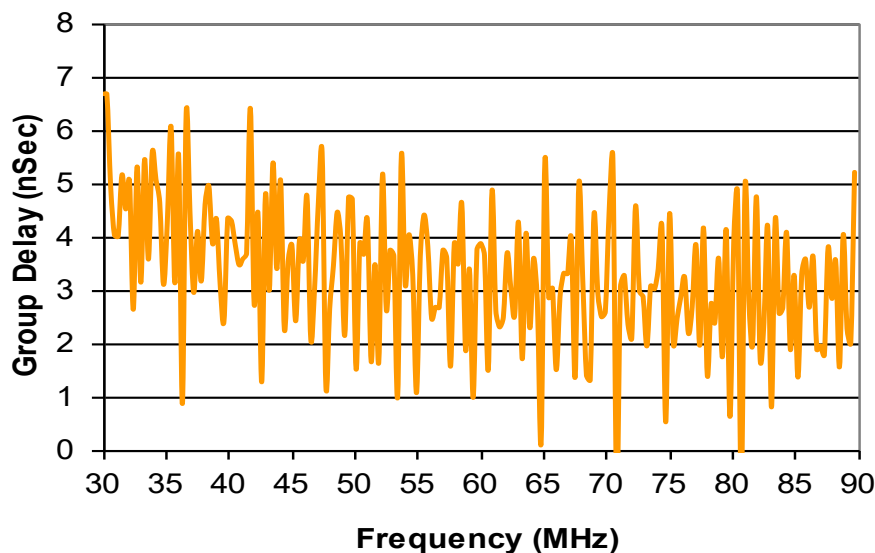
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