

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

Package #	102SLF-3
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TOP VIEW

SIDE VIEW

BOTTOM VIEW

LAYOUT FOR PRINTED CIRCUIT DESIGN

REL-PRO® PATENT NO. 7,612,296
TOLERANCES ON THREE DECIMAL PLACES = ± 0.015
DIMENSIONS ARE IN INCHES.
PACKAGE MOUNTING: SEE APPLICATION NOTES AN7200 & AN7301

PORT CONFIGURATION				
Input	Isolated*	+90° Output	0° Output	Case GND
1	2	6	5	3,4,7,8

* Terminate ISOLATED port with 50 Ohms

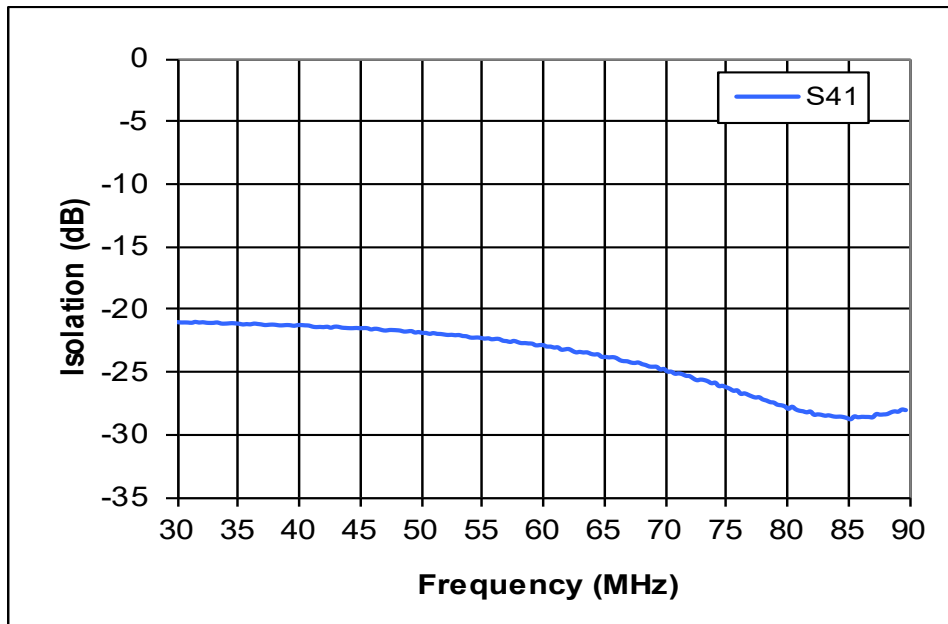
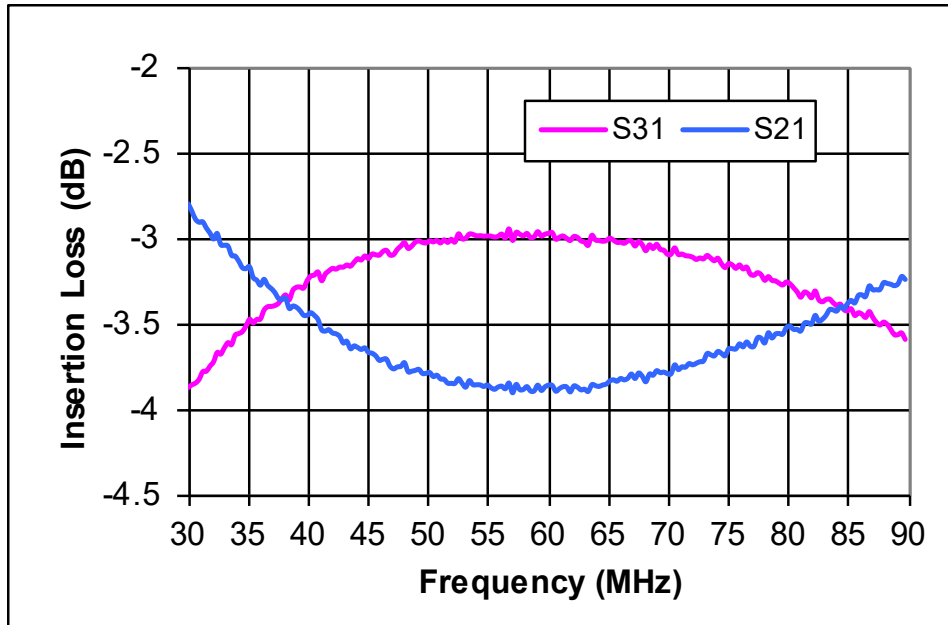
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PERFORMANCE PLOTS

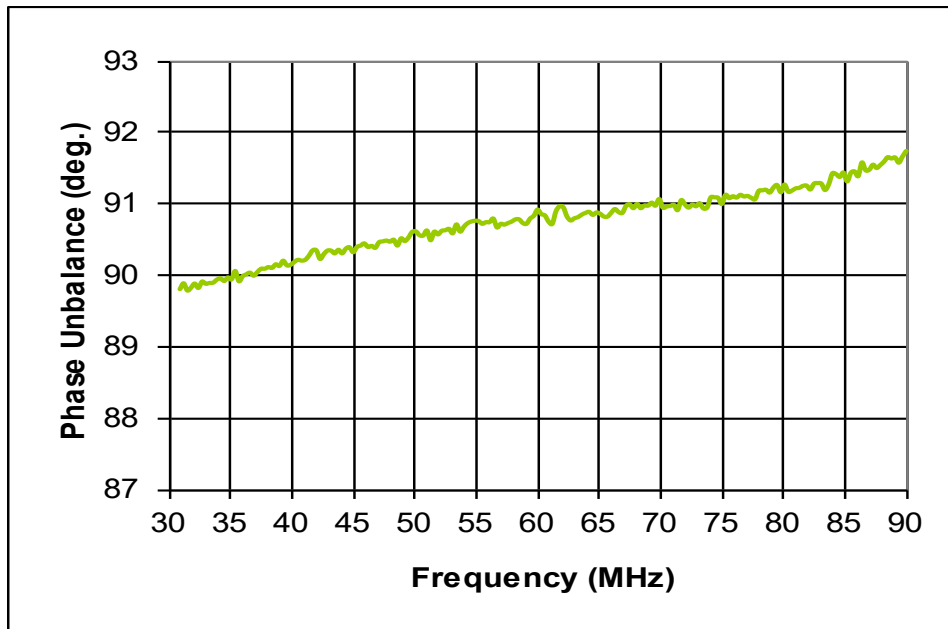
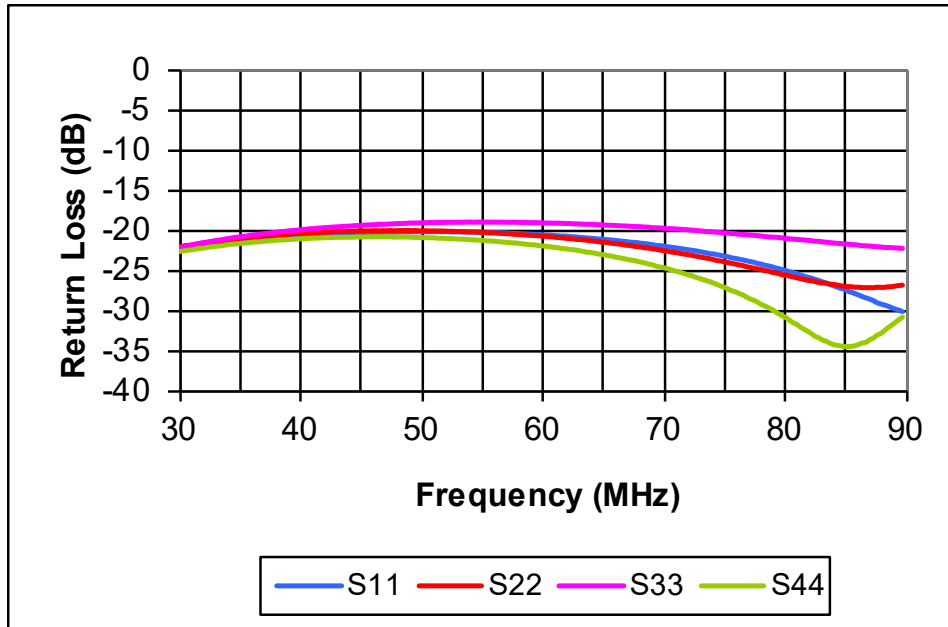
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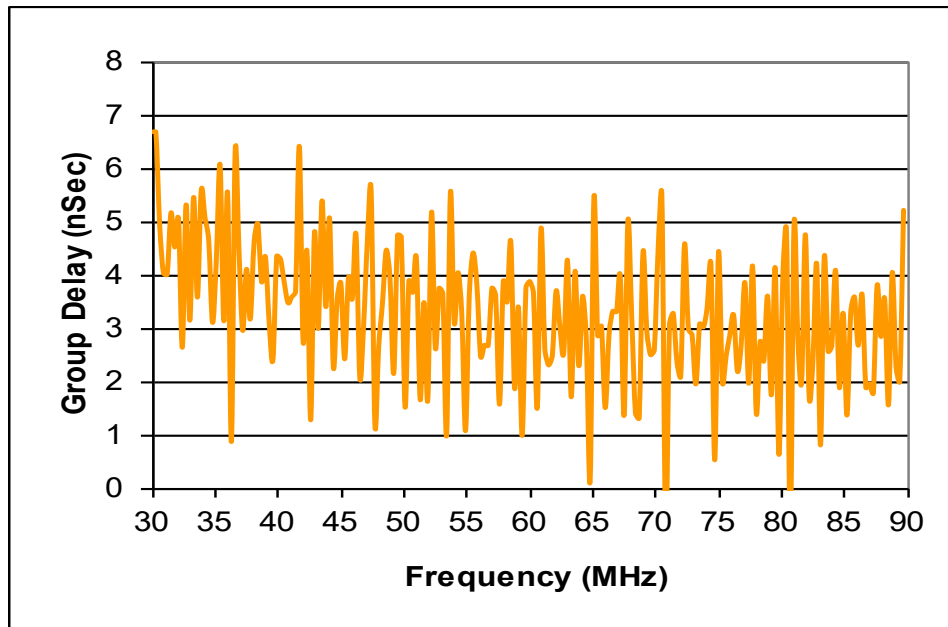
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