

90° HYBRID

SURFACE MOUNT MODEL: DQS-100-1000

FREQUENCY BANDWIDTH

100 - 1000 MHz

FEATURES:

- ▶ Ultra-Wide Bandwidth (10:1)
- ▶ Small Package Size, Surface Mount
- ▶ Lead Free REL-PRO® Technology



SPECIFICATIONS (Rev. C 08/04/06)

Frequency	100 - 1000 MHz	
Insertion Loss (dB)	Typ. 1.7	Max. 2.3
Amplitude Unbalance (dB)	Typ. 1.2	Max. 1.8
Phase Unbalance (Deg.)	Typ. ± 6	Max. ± 10
Isolation (dB)	Typ. 25	Min. 16
Power Rating	1 Watt (Max.)	
Impedance	50 Ohms (Nom.)	
VSWR	1.5:1 (Typ)	
Operating Temperature Range	-20 to +70 °C	

Package #	301LF
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SIDE VIEW
TOP VIEW

SIDE VIEW

TOLERANCES : x ±0.1
 XX ±0.03
 XXX ±0.015

BOTTOM VIEW

LAYOUT FOR PRINTED CIRCUIT DESIGN

REL-PRO® PATENT PENDING

PACKAGE MOUNTING: SEE APPLICATION NOTE AN7200

PORT IDENTIFICATION				
Input	Isolated	+90° Output	0° Output	GND
1	8	5	4	All Others

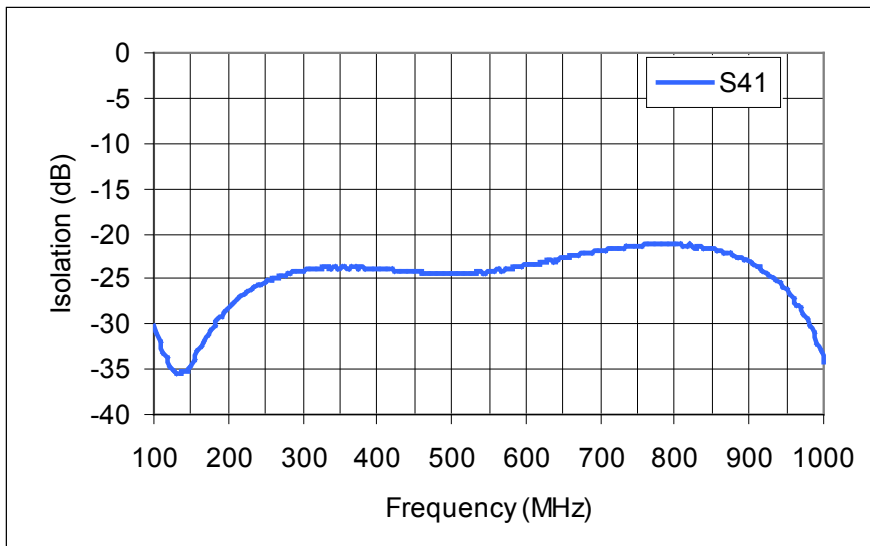
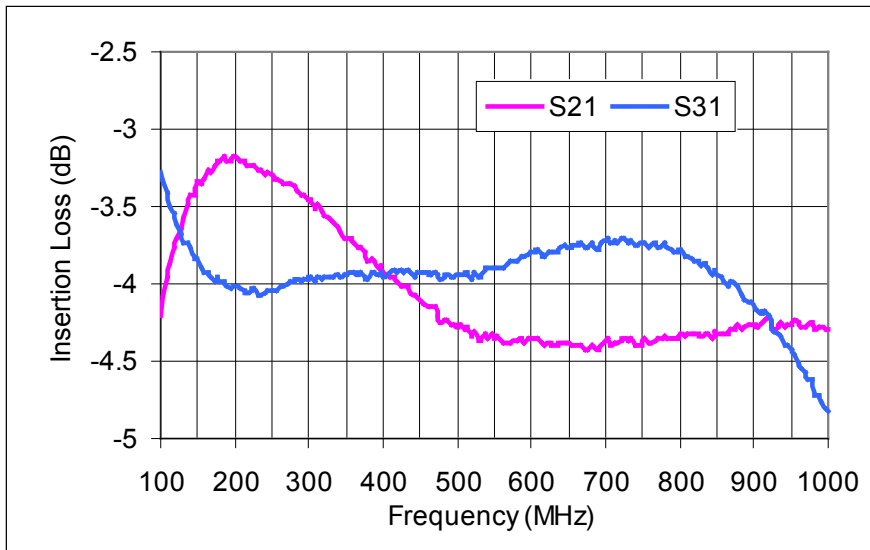
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PERFORMANCE PLOTS

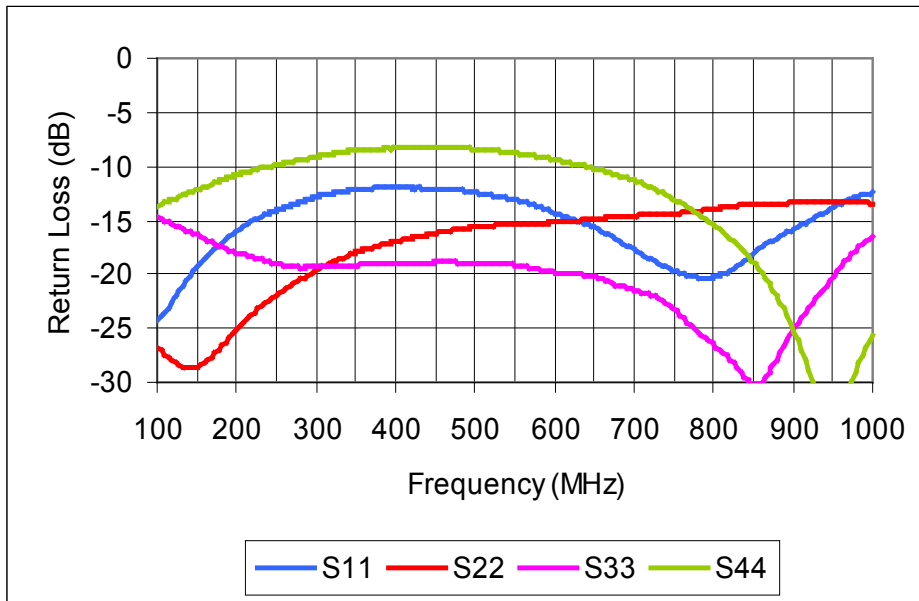
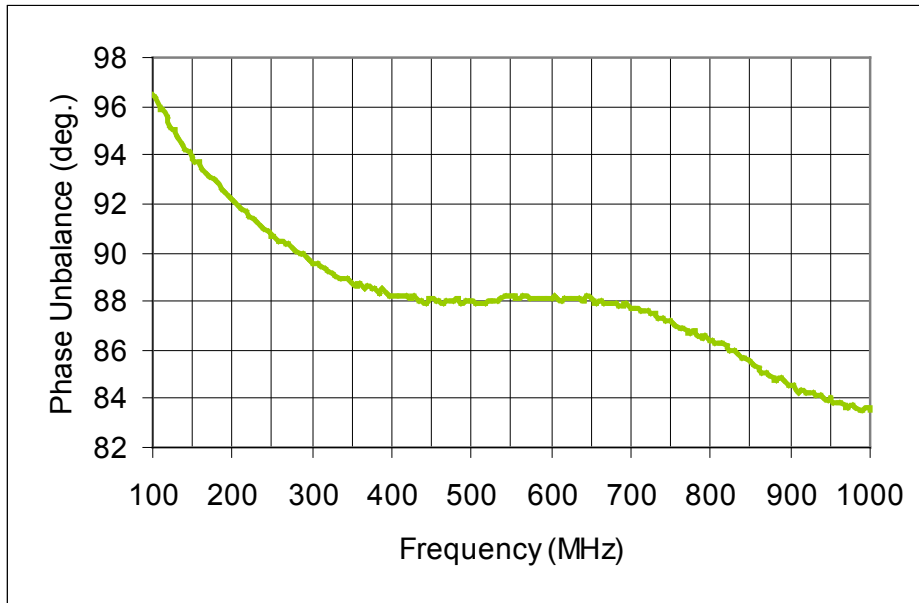
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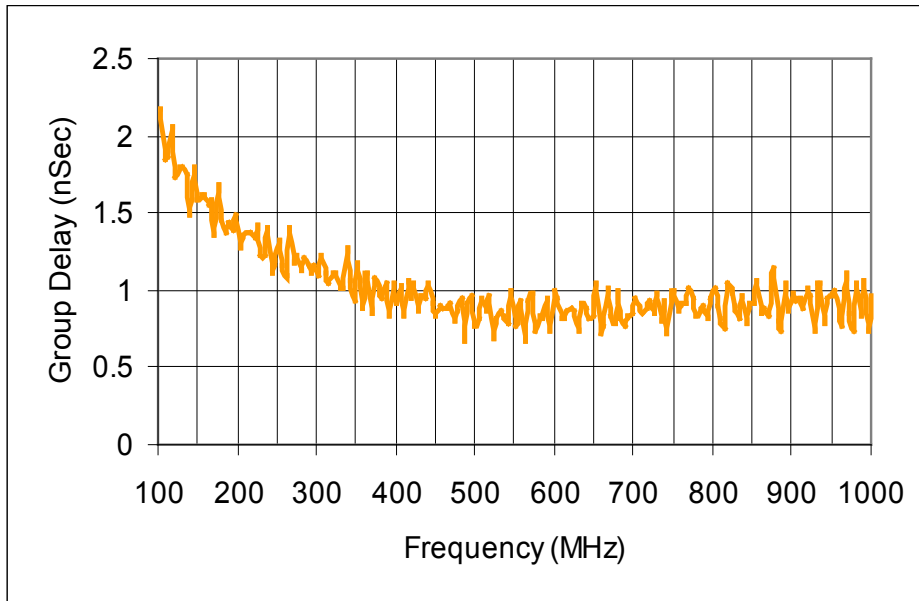
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