

90° HYBRID

SURFACE MOUNT MODEL: DQS-3-32

10:1 BANDWIDTH

3 - 32 MHz

FEATURES:

- ▶ 10:1 Bandwidth
- ▶ Small Package Size, Surface Mount
- ▶ Building Block For:
 - Power Amplifiers
 - Image Rejection Mixers
 - I & Q / SSB Modulators
 - Phase Shifters & More...



SPECIFICATIONS (Rev. G 08/08/08)

Frequency	3 - 32 MHz	
Insertion Loss (dB) *	Typ.	Max.
	1.0	1.5
Amplitude Unbalance (dB)	Typ.	Max.
	0.9	1.2
Phase Unbalance (Deg.)	Typ.	Max.
	2.0	3.0
Isolation (dB)	Typ.	Min.
	25	20
Power Rating	1 Watt (Max.)	
Impedance	50 Ohms (Nom.)	
VSWR	1.3:1 (Typ.)	
Operating Temperature Range	-40 to +85 °C	
* Insertion loss in excess of the theoretical 3 dB coupling.		

Package #	120S
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0.520
0.370
0.400
0.200
0.190 TYP.
0.060
0.120
0.840

MAX
0.350
0.030

LAYOUT FOR PRINTED
CIRCUIT DESIGN

0.070
0.580
0.140
0.200

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

* Terminate ISOLATED port with 50 Ohms.

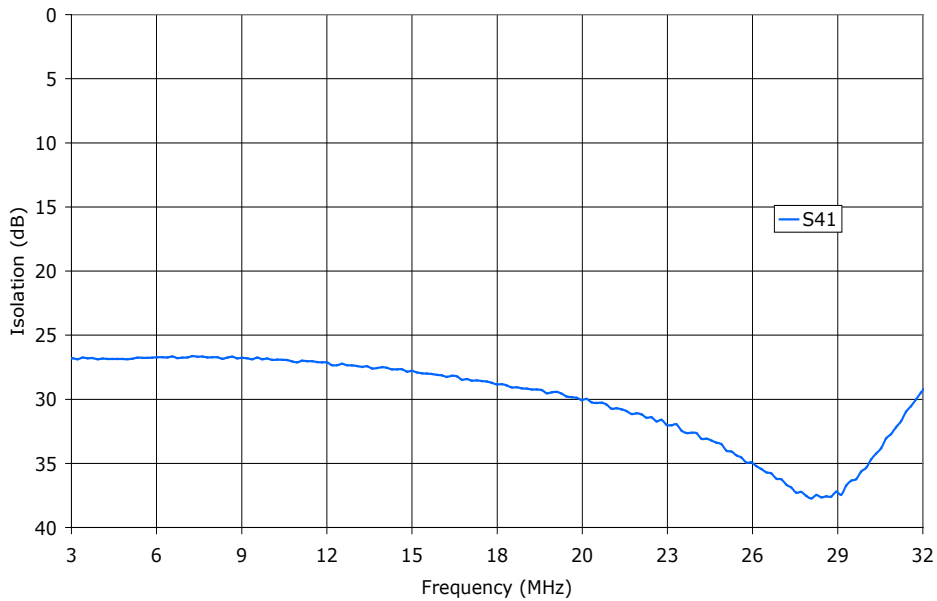
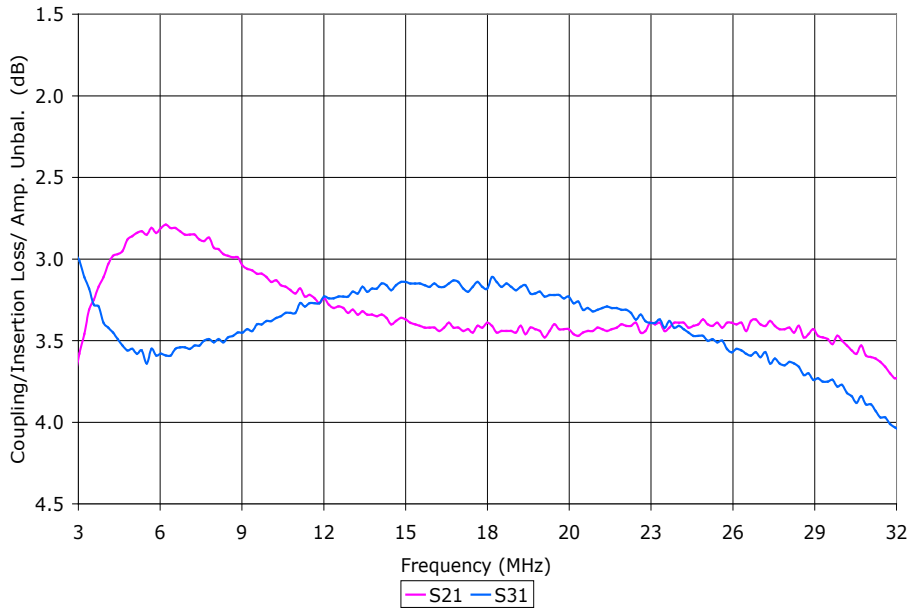
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PERFORMANCE PLOTS

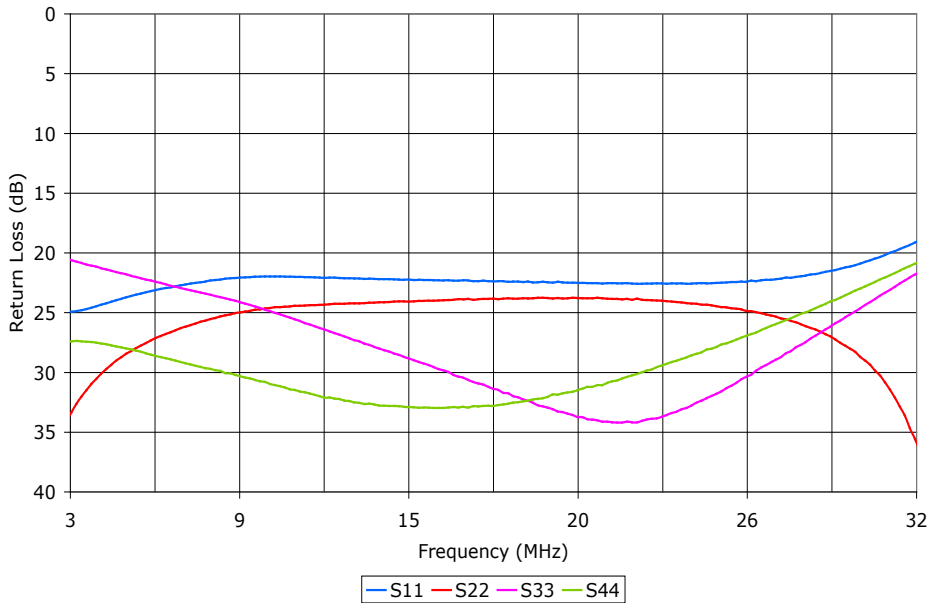
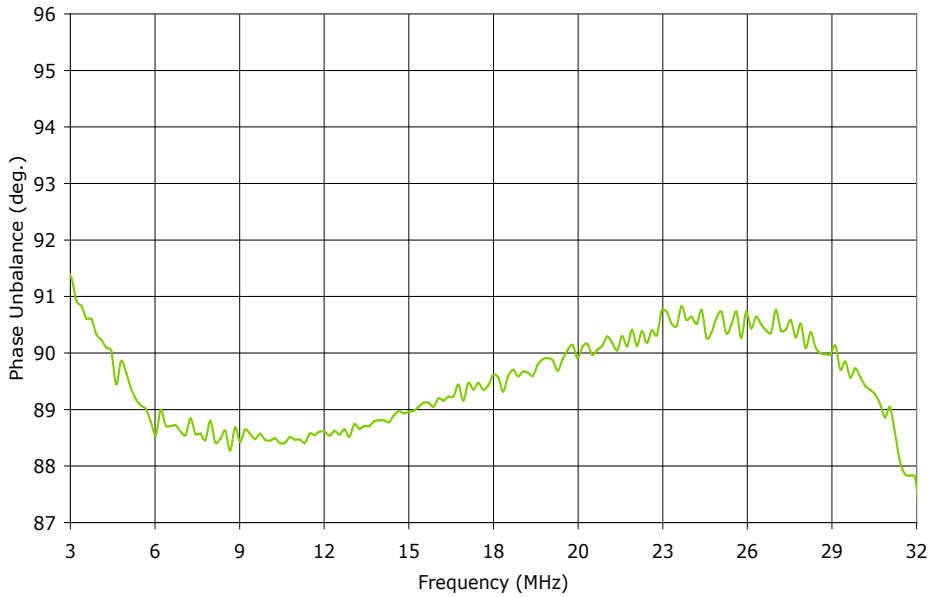
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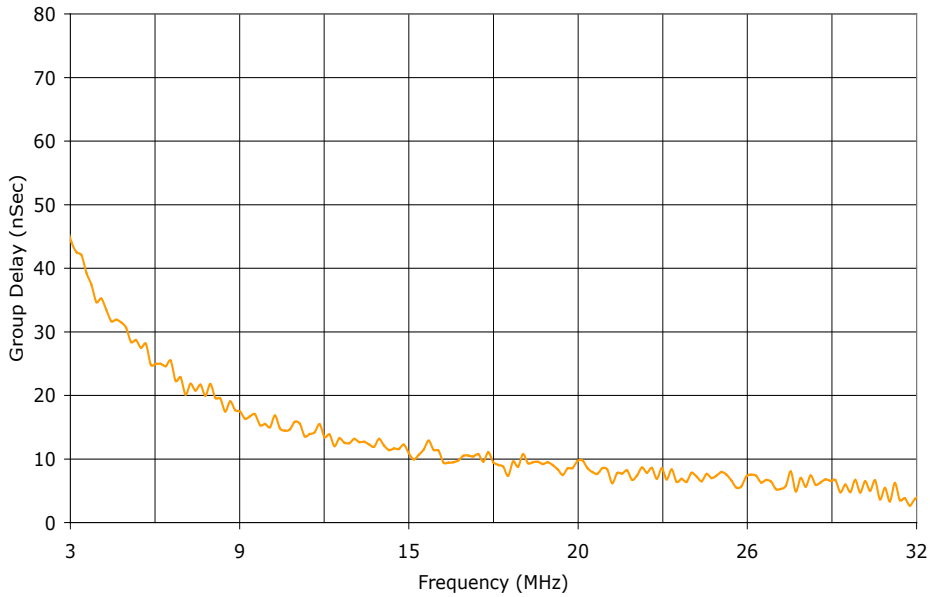
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