

QUADRATURE HYBRID

SURFACE MOUNT MODEL: DQS-50-500

10:1 BANDWIDTH

50 - 500 MHz

FEATURES:

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



SPECIFICATIONS (Rev. A 03/02/21)

Frequency	50 - 500 MHz	
Insertion Loss (dB)	Typ.	Max.
	1.7	2.2
Amplitude Unbalance (dB)	Typ.	Max.
	1.0	1.5
Phase Unbalance (Deg.)	Typ.	Max.
	3.0	5.0
Isolation (dB)	Typ.	Min.
	25	13
VSWR	1.3:1 (Typ.)	
Impedance	50 Ohms (Nom.)	
Operating Temperature Range	-40 to +85°C	

Package #	102S
------------------	-------------

LAYOUT FOR PRINTED CIRCUIT DESIGN

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

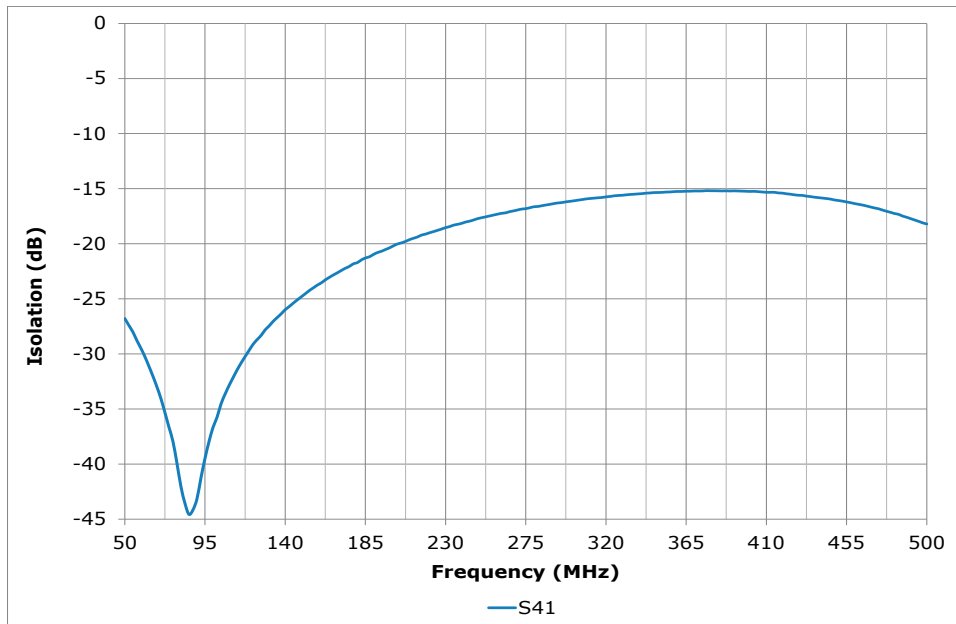
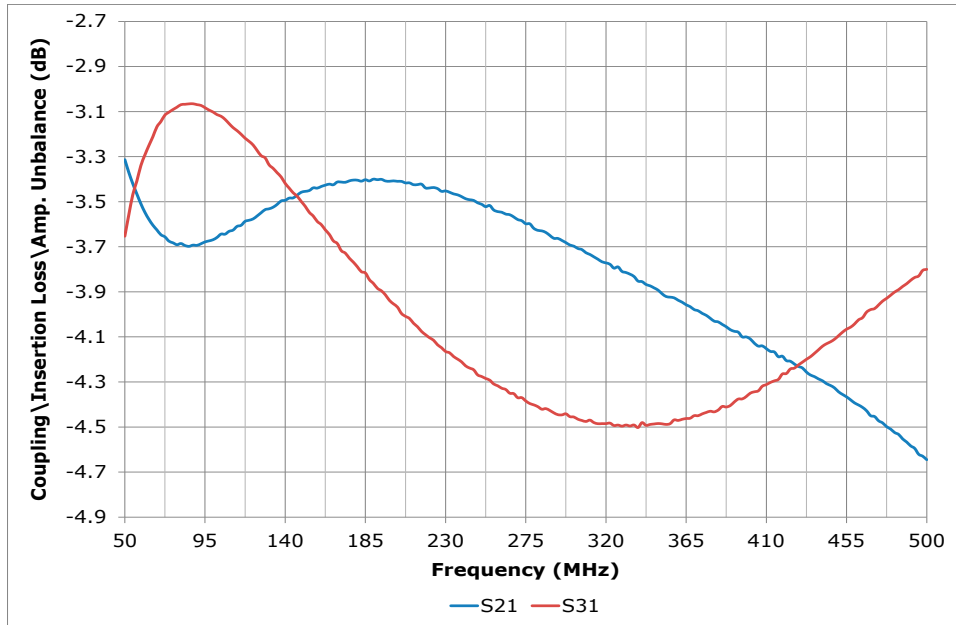
QUADRATURE HYBRID

SURFACE MOUNT MODEL: DQS-50-500

10:1 BANDWIDTH

50 - 500 MHz

Data @ 25°C



PERFORMANCE PLOTS

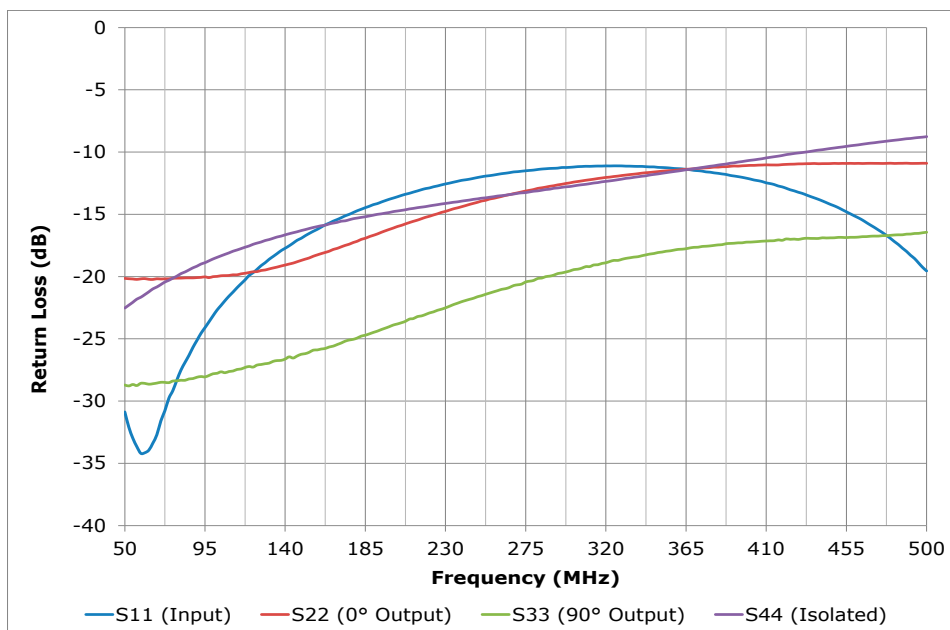
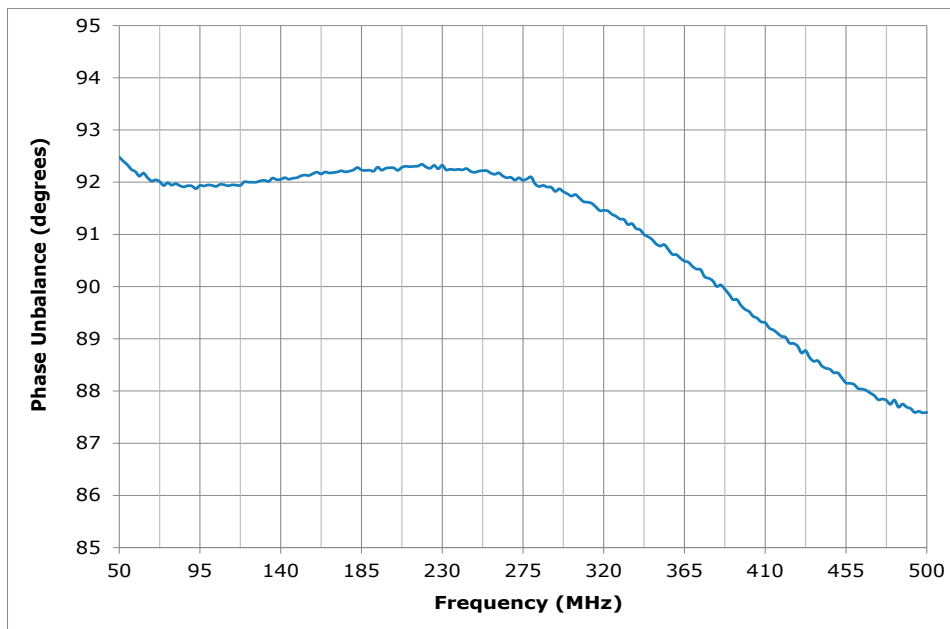
QUADRATURE HYBRID

SURFACE MOUNT MODEL: DQS-50-500

10:1 BANDWIDTH

50 - 500 MHz

Data @ 25°C



PERFORMANCE PLOTS