

90° HYBRID

SURFACE MOUNT MODEL: DQS-118-174

OPTIMIZED BANDWIDTH

118 - 174 MHz

FEATURES:

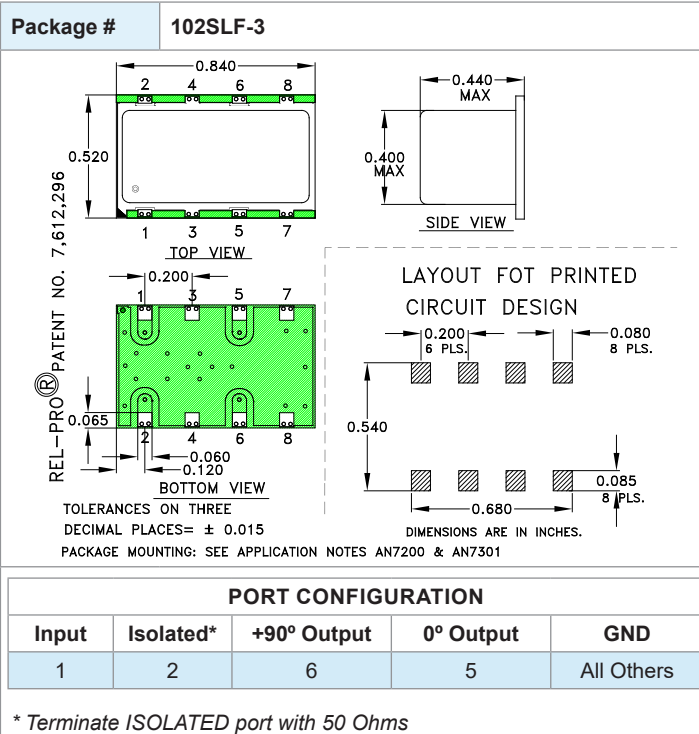
- ▶ Optimized Bandwidth
- ▶ Small Package Size, Surface Mount
- ▶ Building Block For:
 - Amplifiers
 - Image Rejection Mixers
 - I & Q / SSB Modulators
 - Phase Shifters & More...



SPECIFICATIONS (Rev. B 10/01/24)

Frequency	118 - 174 MHz	
Insertion Loss (dB)	Typ.	Max.
	0.3	0.6
Amplitude Unbalance (dB)	Typ.	Max.
	0.4	1.0
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 (Typ.)	
Operating Temperature Range	-40 to +85°C	

* Insertion loss in excess of the theoretical 3 dB coupling.



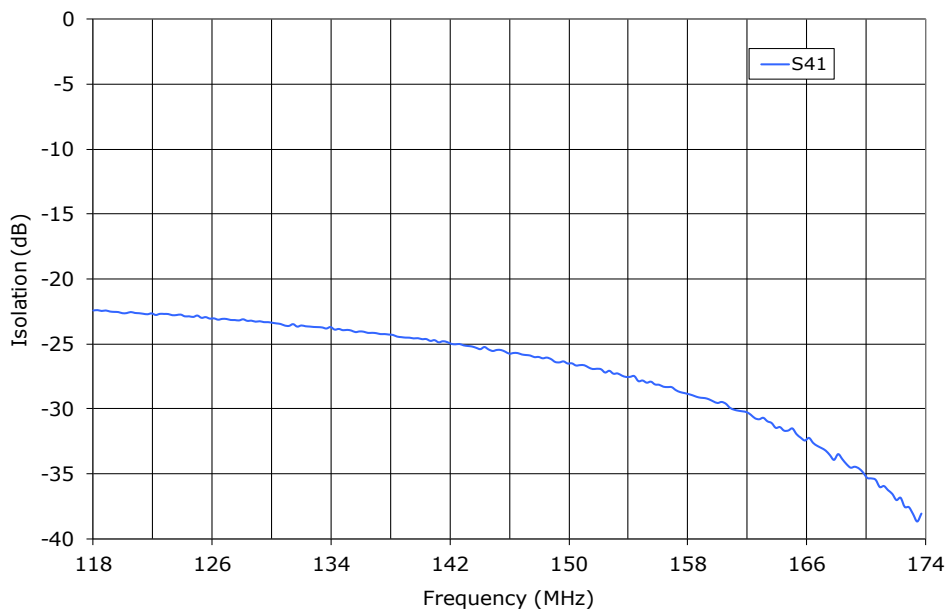
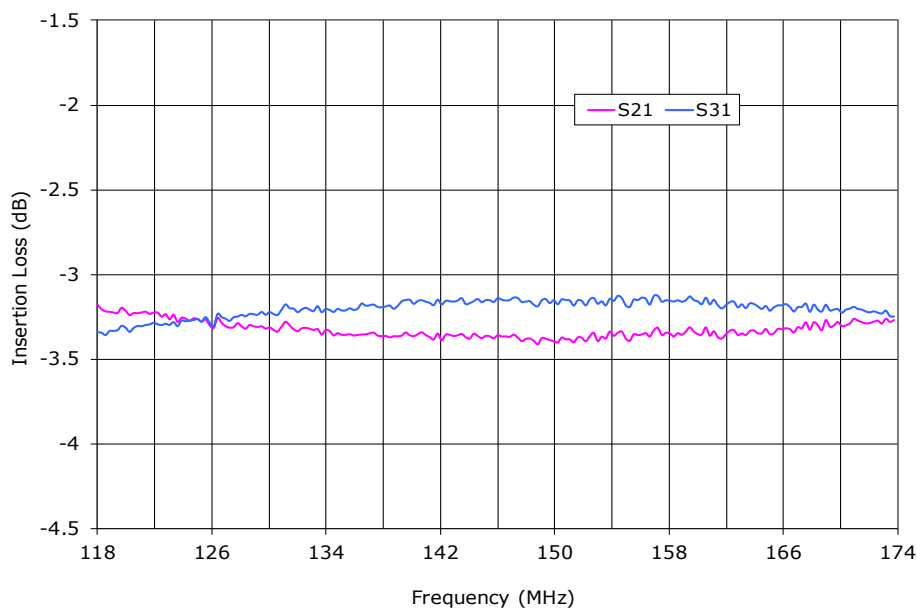
90° HYBRID

SURFACE MOUNT MODEL: DQS-118-174

OPTIMIZED BANDWIDTH

118 - 174 MHz

Data @ 25°C



PERFORMANCE PLOTS

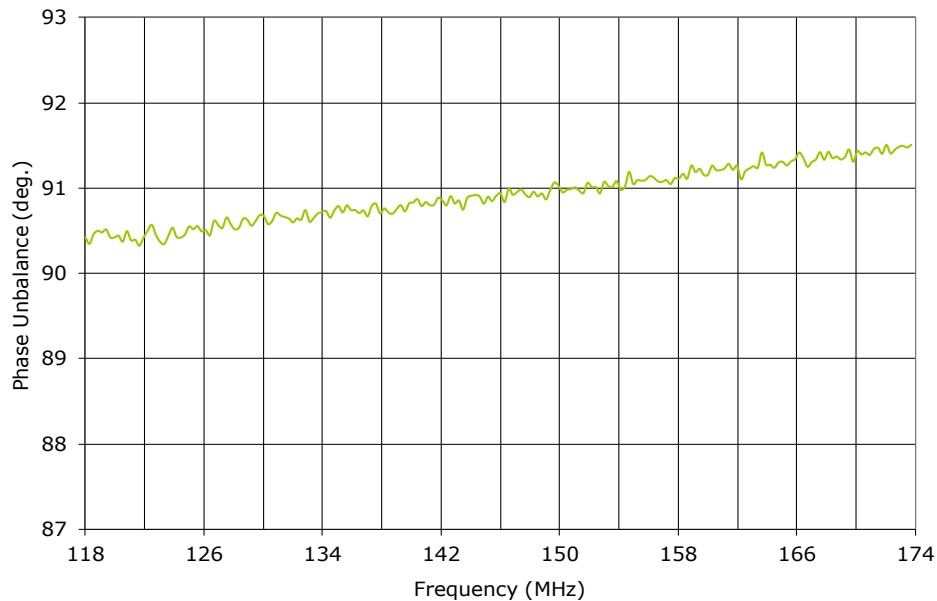
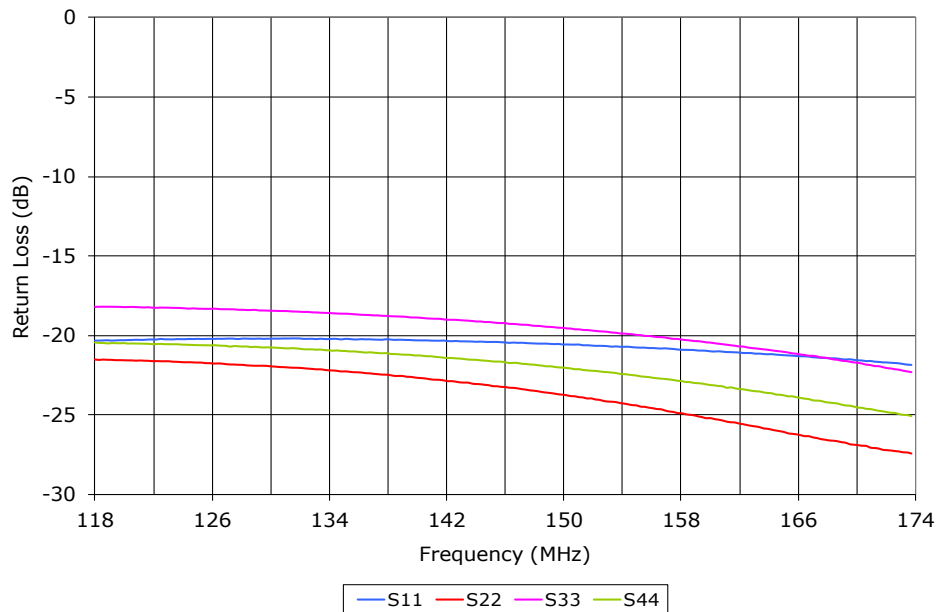
90° HYBRID

SURFACE MOUNT MODEL: DQS-118-174

OPTIMIZED BANDWIDTH

118 - 174 MHz

Data @ 25°C



PERFORMANCE PLOTS

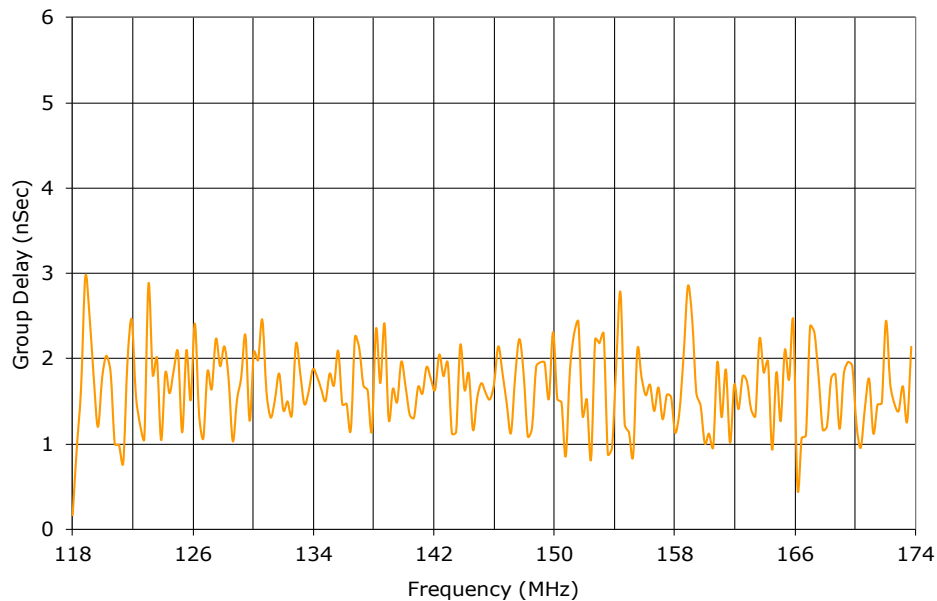
90° HYBRID

SURFACE MOUNT MODEL: DQS-118-174

OPTIMIZED BANDWIDTH

118 - 174 MHz

Data @ 25°C



PERFORMANCE PLOTS