

# 90° HYBRID

## PLUG-IN MODEL: DQP-40-400

**FREQUENCY BANDWIDTH**

**40 - 400 MHz**

**FEATURES:**

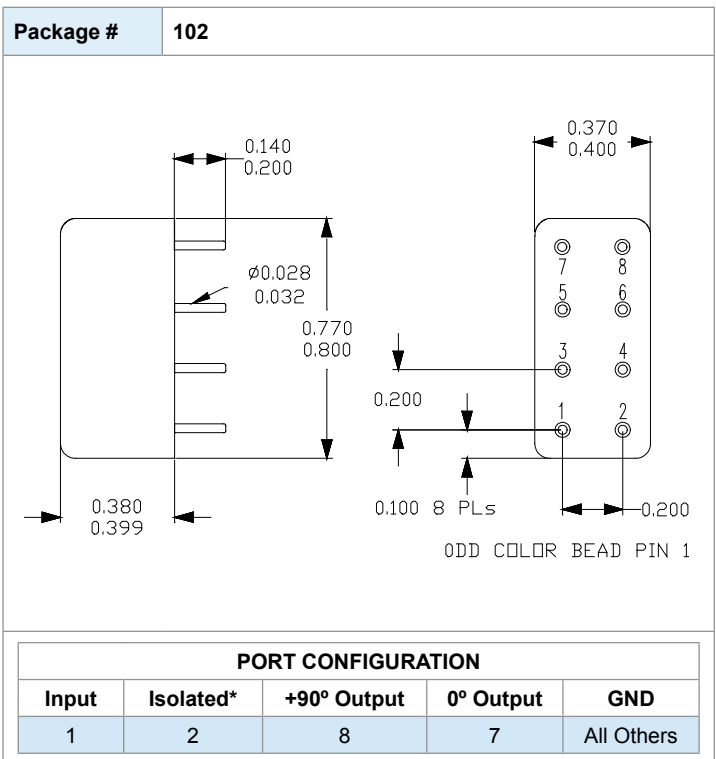
- ▶ Ultra-Wide Bandwidth (10:1)
- ▶ Small Package Size, Plug-In Mount
- ▶ Building Block For:
  - Power Amplifiers
  - Image Rejection Mixers
  - I & Q / SSB Modulators
  - Phase Shifters & More...



**SPECIFICATIONS (Rev. A 08/05/10)**

<b>Frequency</b>	40 - 400 MHz	
<b>Insertion Loss (dB) *</b>	Typ.	Max.
	1.6	2.2
<b>Amplitude Unbalance (dB)</b>	Typ.	Max.
	1.0	1.5
<b>Phase Unbalance (Deg.)</b>	Typ.	Max.
	2.0	5.0
<b>Isolation (dB)</b>	Typ.	Min.
	25	16
<b>Input Power</b>	1 Watt (Max.)	
<b>Impedance</b>	50 Ohms (Nom.)	
<b>VSWR</b>	1.28:1 (Typ.)	
<b>Operating Temperature Range</b>	-40 to +85 °C	

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



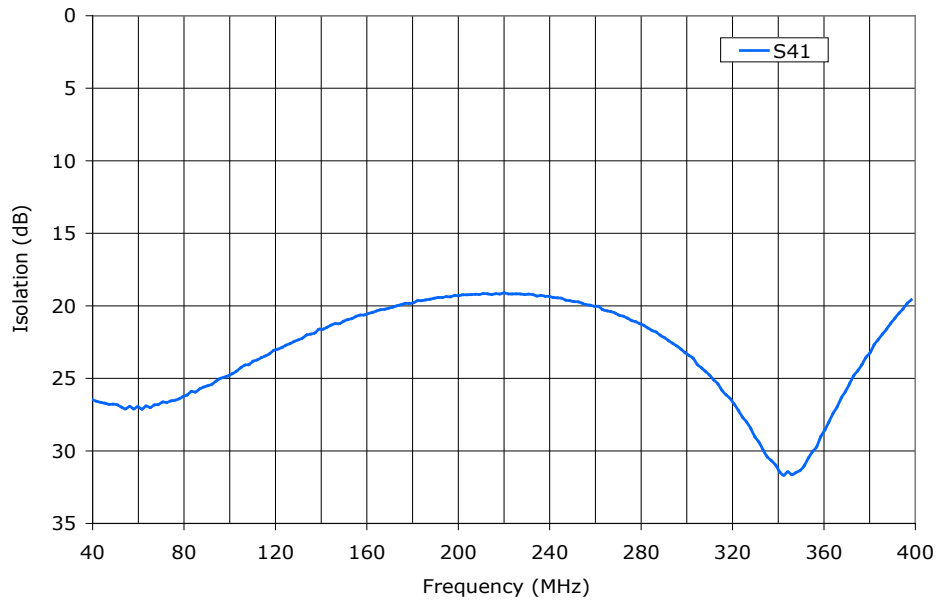
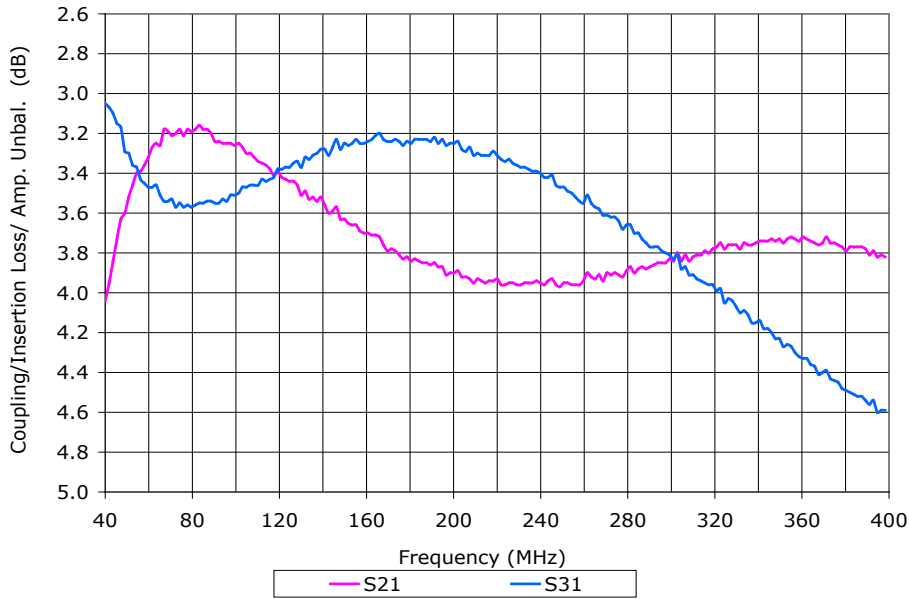
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Data @ 25°C



PERFORMANCE PLOTS

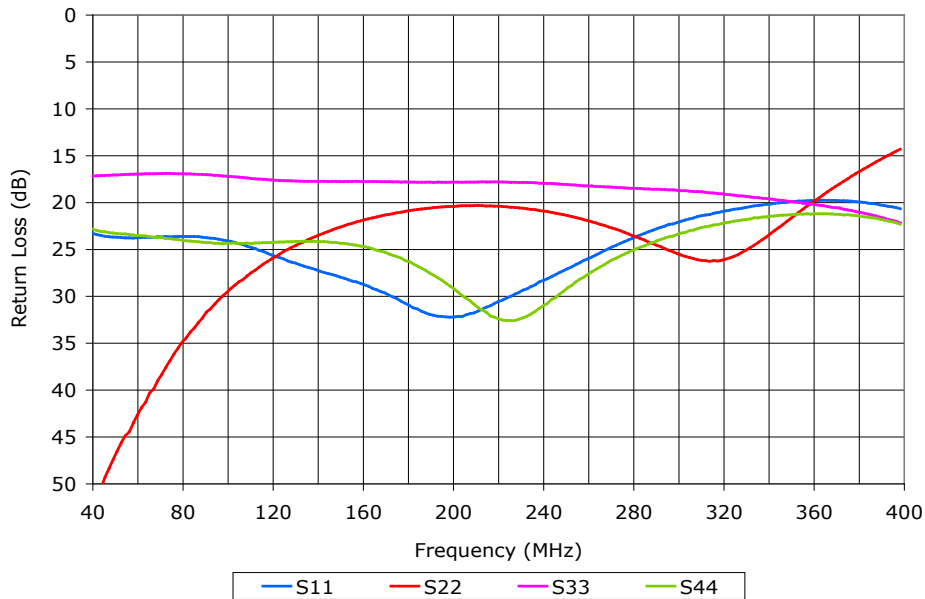
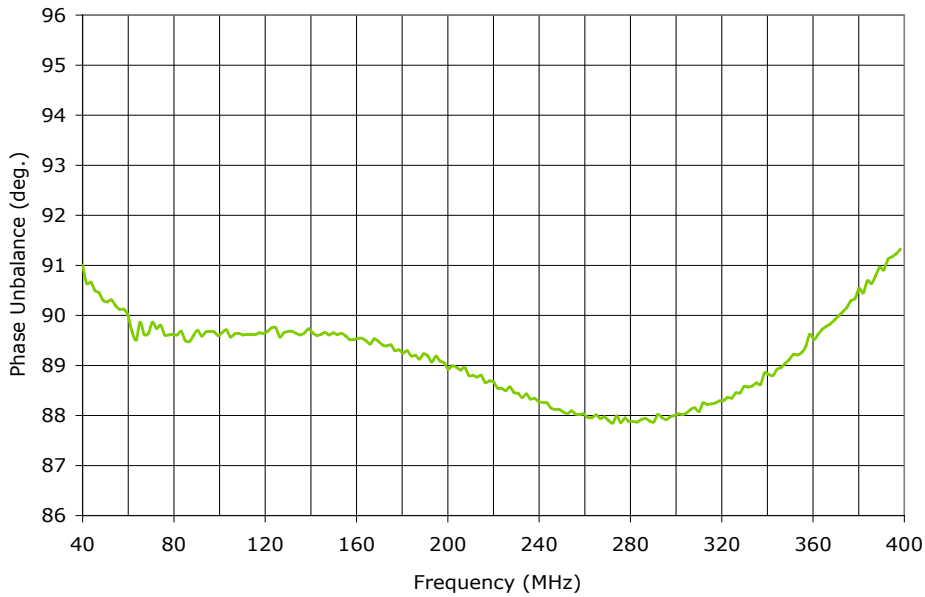
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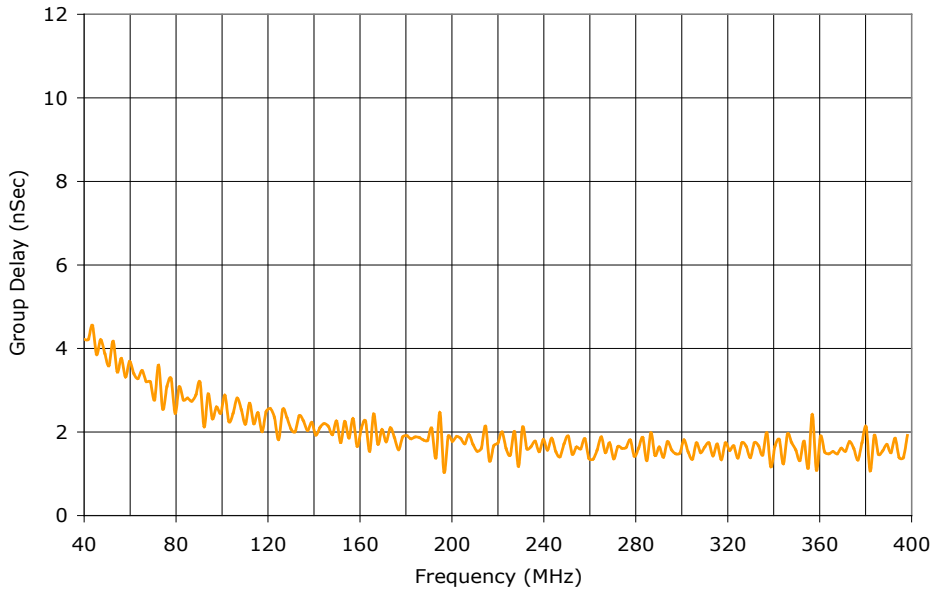
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