

# 90° HYBRID MODEL DQS-30-450

**WIDE BANDWIDTH**

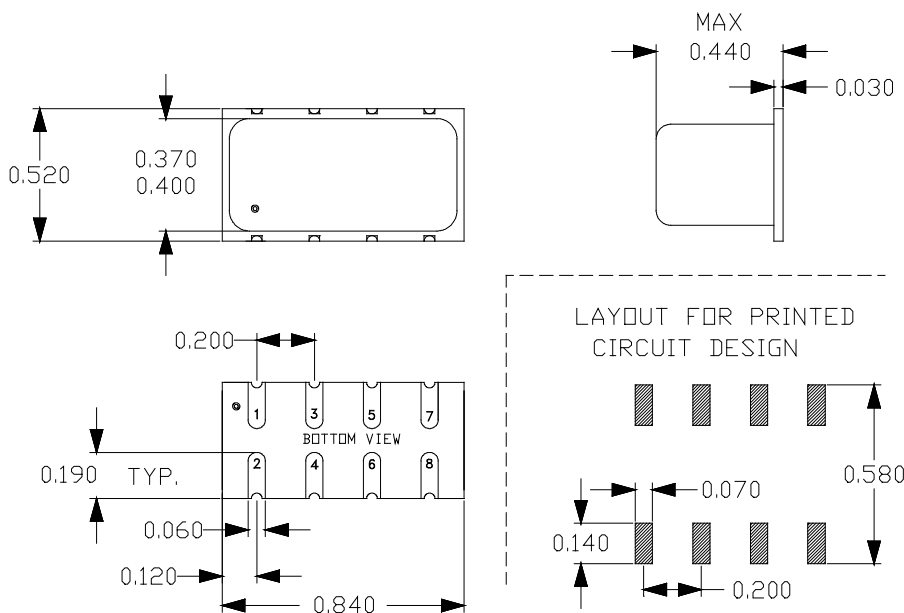
**30 - 450 MHz**

## SPECIFICATIONS (Rev. B 03/05/07)

<b>Operating Frequency:</b>	30 - 450 MHz	<b>Phase Unbalance:</b>	$\pm 2.0^\circ$ (Typ) / $\pm 3.0^\circ$ (Max)
<b>Insertion Loss (dB):</b>	1.2 (Typ) / 1.7 (Max)	<b>Input Power Rating:</b>	5 Watt (Max)
<b>Isolation (dB):</b>	23 (Typ) / 18 (Min)	<b>VSWR:</b>	1.4:1 (Typ)
<b>Amplitude Unbalance (dB):</b>	1.0 (Typ) / 1.5 (Max)	<b>Impedance:</b>	50 Ohms
		<b>Operating Temp. Range:</b>	-55° to +85°C



## MECHANICAL OUTLINE: 102S



PIN-OUT	
Input	1
+90° Output	8
0° Output	7
Isolated*	2
Case Grnd.	All Other

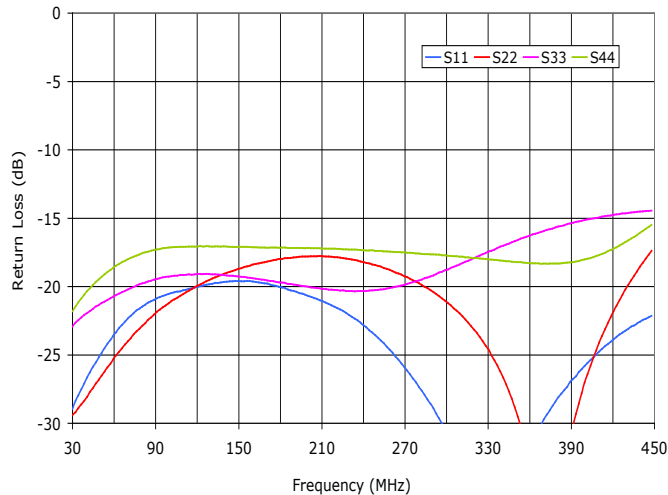
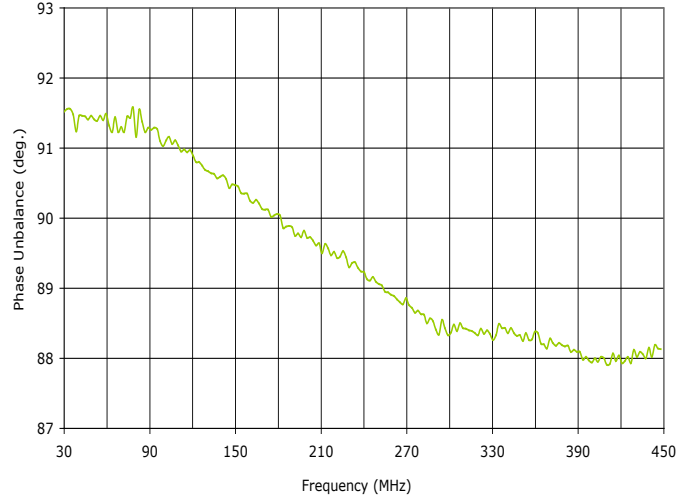
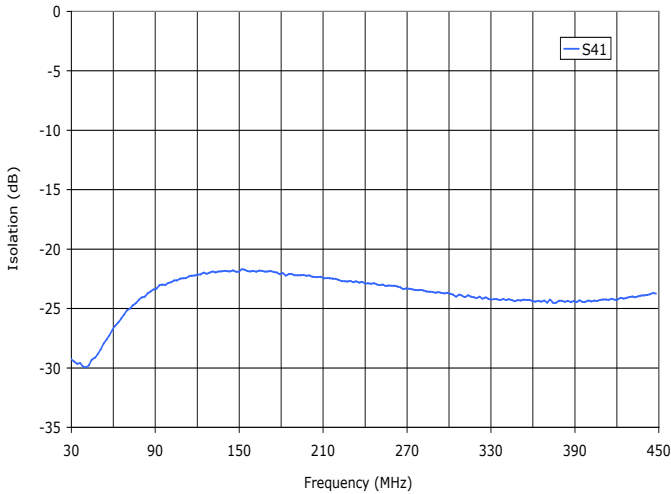
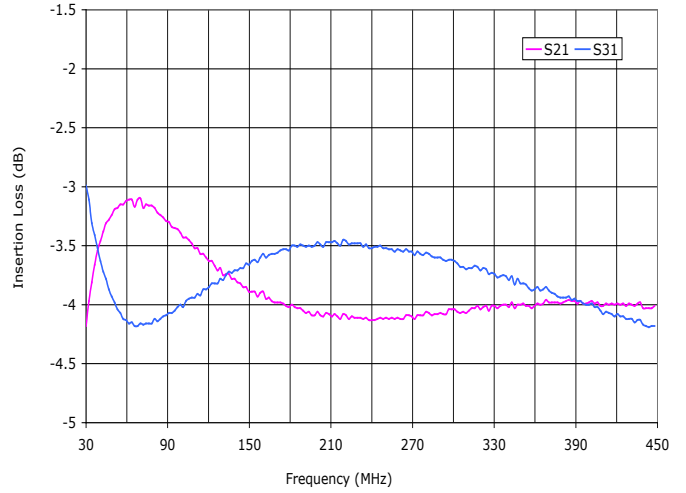
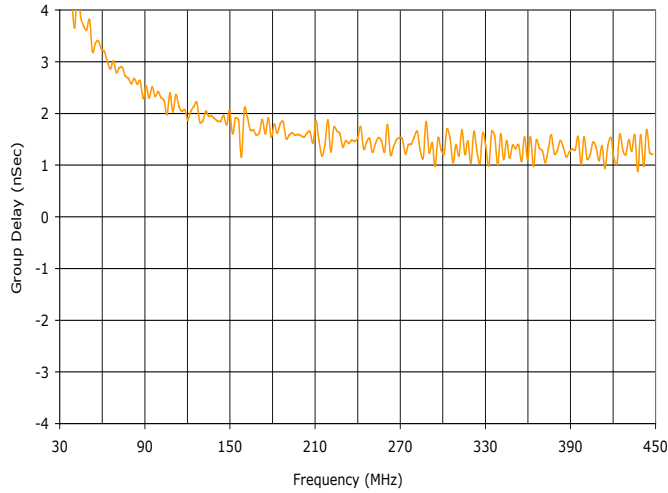
\* Terminate Isolated port in 50 Ohms Externally

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## 30 - 450 MHz

### PERFORMANCE PLOTS



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