

QUADRATURE HYBRID

MODEL DQS-100-500

5:1 BANDWIDTH

100 - 500 MHz

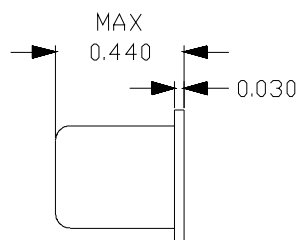
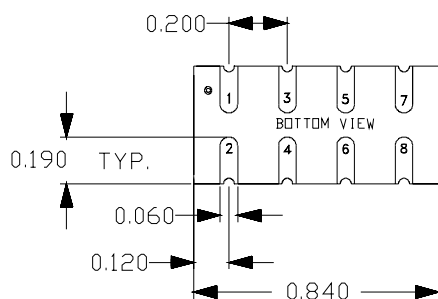
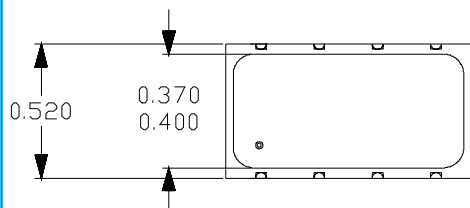
SPECIFICATIONS

Operating Frequency: 100 - 500 MHz
Insertion Loss: 1.2 dB (Typ) / 1.5 dB (Max)
Isolation: 25 dB (Typ)/16 dB (Min)
Amplitude Unbalance: 0.8 dB (Typ) / 1.25 dB (Max)

Phase Unbalance: 3.0° (Typ)/ 5.0° (Max)
VSWR: 1.4:1 (Typ)
Input Power Rating 1 Watt (Max)
Impedance: 50 Ohms
Operating Temp. Range: -20° to +70°C



MECHANICAL OUTLINE: 102S

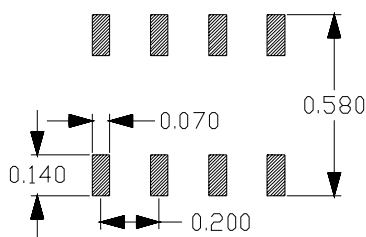


PIN-OUT

INPUT	Pin 1
ISOLATED*	Pin 2
+90° OUTPUT	Pin 8
0° OUTPUT	Pin 7
CASE GND	3,4,5,6

* Terminate ISOLATED port with 50 Ohms externally.

LAYOUT FOR PRINTED CIRCUIT DESIGN



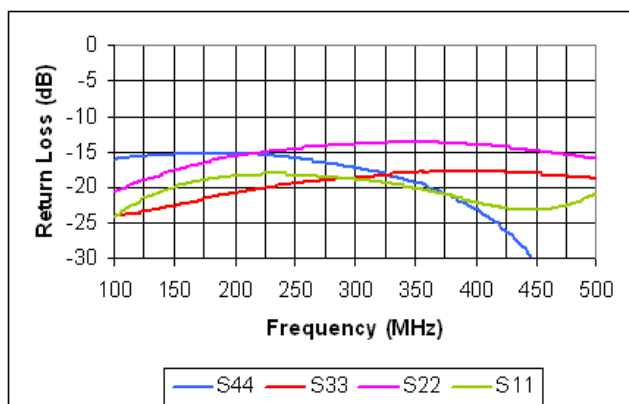
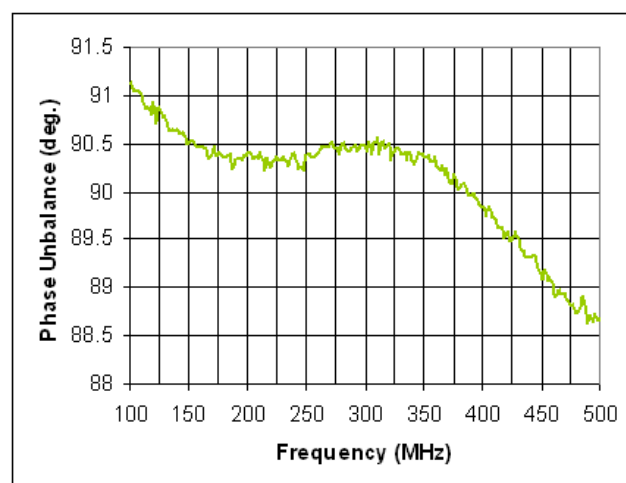
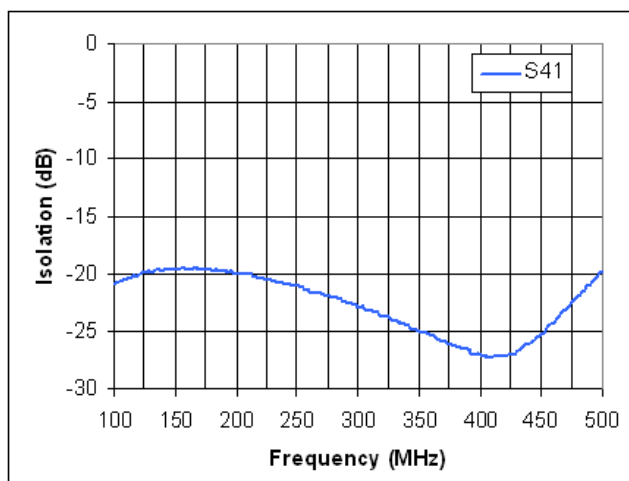
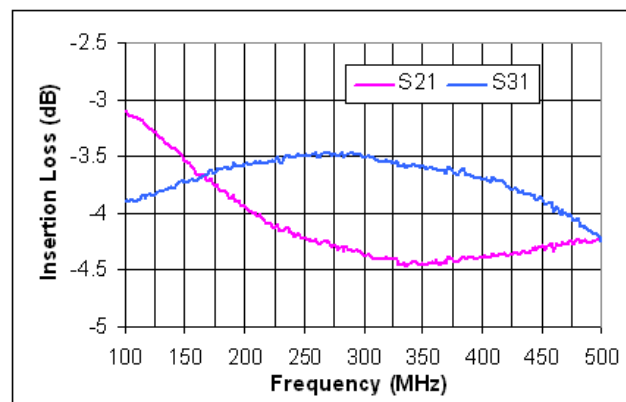
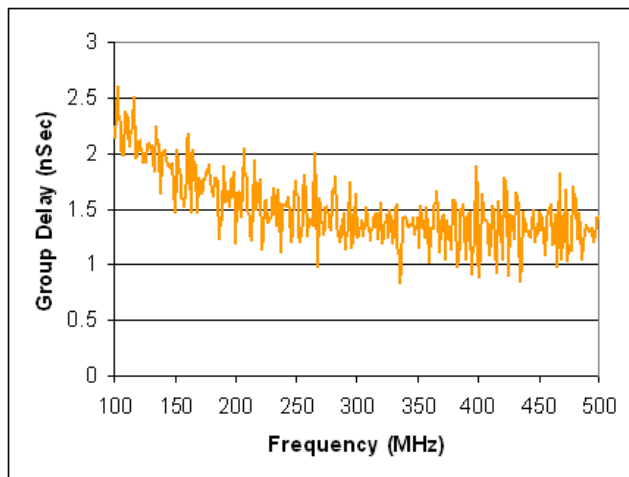
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PERFORMANCE PLOTS



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