

Surface Mount 4-Port Quadrature Hybrid

1010 MHz, 10% Bandwidth

Package Style 80
HQ102-80L4

Key Features

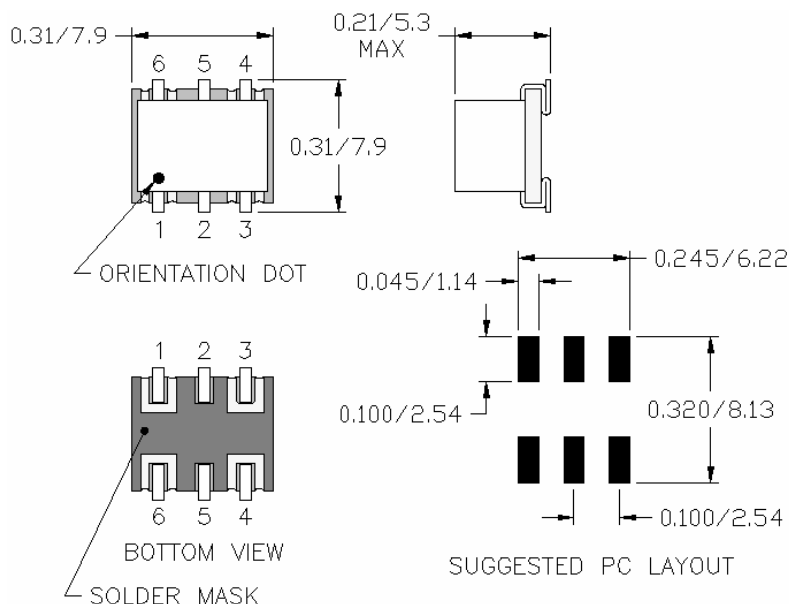
- Insertion Loss: 0.45dB
- Solder Reflow to +240°C
- Phase Balance 1 degree

Guaranteed Specifications

	TYP	MAX
Phase Balance (deg)	± 1	± 3
Amplitude Balance (dB)	± 0.25	± 0.50
Insertion Loss (dB)	0.45	0.75
Isolation (dB)	TYP 22	MIN 16
Return Loss (dB)	20	16
Impedance	50 Ohms NOM	

RF Power 4 Watts
Operating Temperature -40°C to 85°C
Storage Temperature -55°C to 105°C

1. Specifications guaranteed in a 50 ohm test system
2. Available in Tape and Reel
3. Rated power into matched loads.
4. Any pin may be used as input
5. Models available at custom center frequencies



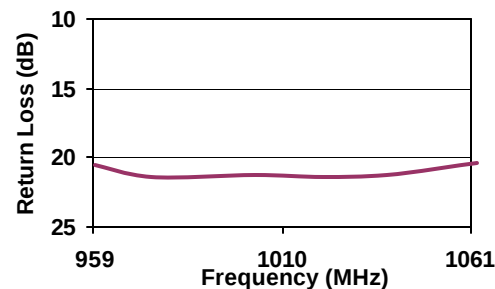
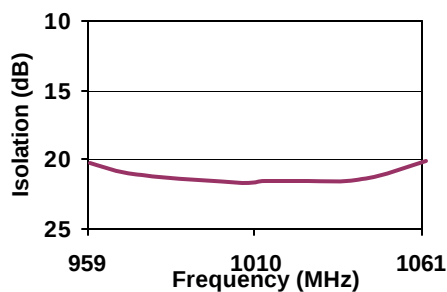
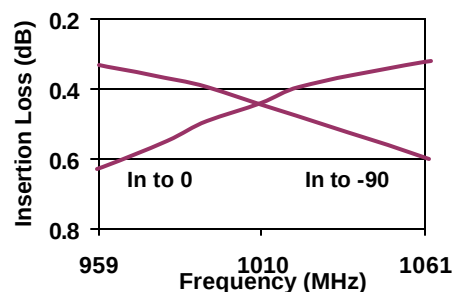
Dimensions are in inches/ mm

Unless Otherwise Noted: .xx = ± 0.02 / 0.50
.xxx = ± 0.010 / 0.250

Pin Configuration

Function	Pin
INPUT	3
0° OUTPUT	4
-90° OUTPUT	6
ISOLATED	1
GND	2,5

Typical Performance



Specifications Subject to Change Without Notice

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