

Surface Mount 3-Port Quadrature Hybrid

170 MHz, 10% Bandwidth

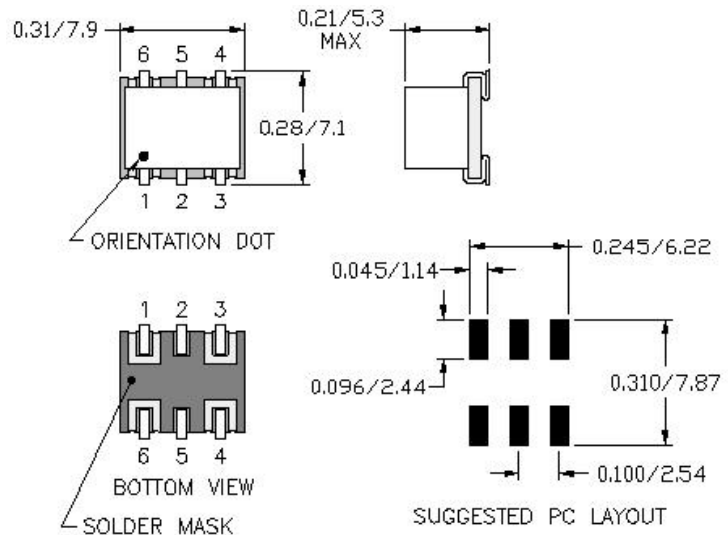
Package Style 80L
HQ171-80L3

Key Features

- Insertion Loss: 0.20 dB
- Solder Reflow to +240°C
- Phase Balance 2 degrees

Guaranteed Specifications

	TYP	MAX
Phase Balance (deg)	± 1	±3
Amplitude Balance (dB)	± 0.25	± 0.50
Insertion Loss (dB)	0.20	0.40
Isolation (dB)	TYP 25	MIN 20
Return Loss (dB)	22	17



Dimensions are in inches/ mm

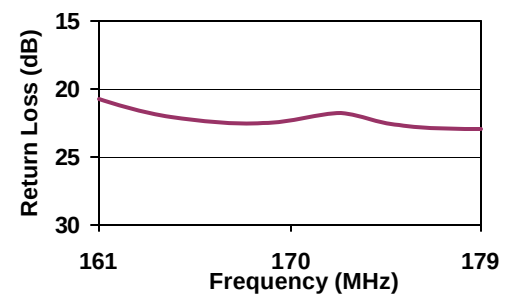
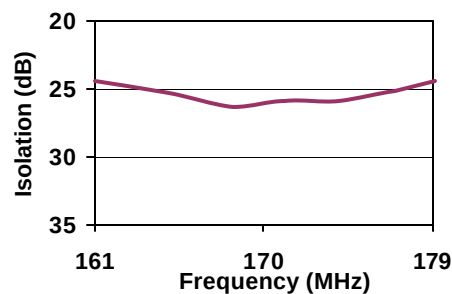
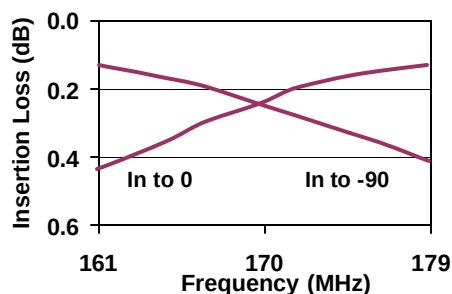
Unless Otherwise Noted: .xx = ± 0.02 / 0.50
.xxx = ± 0.010 / 0.250

Pin Configuration

Function	Pin
INPUT	3
0° OUTPUT	4
-90° OUTPUT	6
NO CONNECTION	1
GND	2,5

1. Specifications guaranteed in a 50 ohm test system
2. Available in Tape and Reel
3. Rated power into matched loads.
4. Available at any center freq. from 5 MHz to 4 GHz

Typical Performance



Specifications Subject to Change Without Notice

SV Microwave Commercial Products Group, Inc.
7247 Bryan Dairy Road
Largo, FL 33777

Tel (727) 541-5800

Fax (727) 541-5869

www.svmicrowave.com