

Surface Mount 4-Port Directional Coupler 4-500 MHz

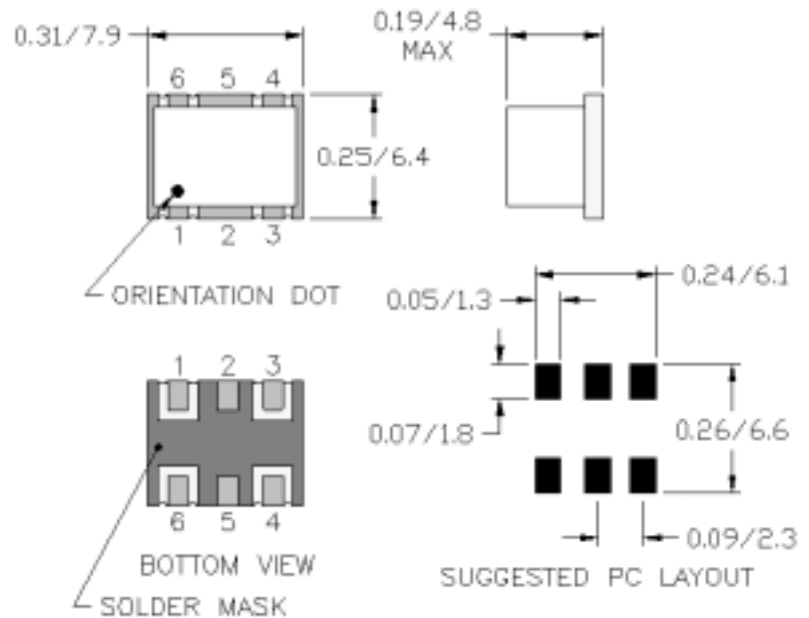
Package Style 80
DCBD10-80H5

Key Features

- Coupling: 10 ± 0.4 dB
- Directivity: 28 dB
- Solder Reflow to 240°C

Guaranteed Specifications

	TYP	MAX
Coupling Flatness (dB)	± 0.3	± 0.5
Mainline Loss (dB)	0.6 0.6	1.0
Directivity (dB)	TYP 28 25	MIN 22 18
Return Loss (dB)	26	20
Impedance	50 Ohms NOM	
RF Power	+30 dBm	
Operating Temperature	-40°C to 85°C	
Storage Temperature	-55°C to 105°C	



Dimensions are in inches/ mm

Unless Otherwise Noted: .xx = $\pm 0.02 / 0.50$

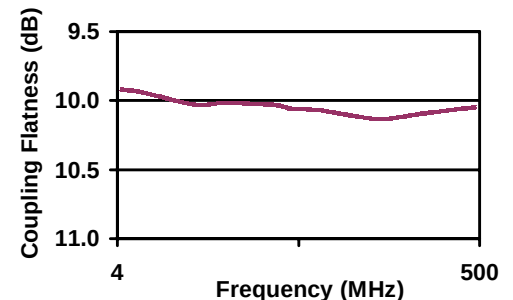
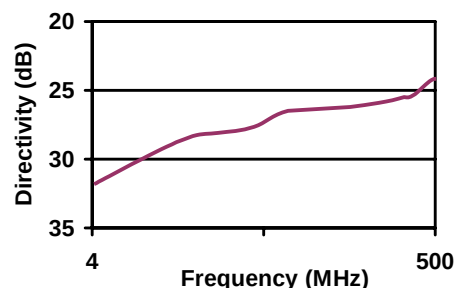
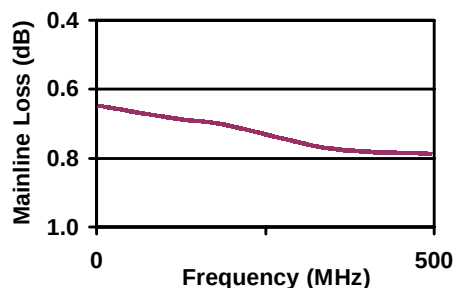
.xxx = $\pm 0.010 / 0.250$

Pin Configuration

Function	Pin
INPUT	1
OUTPUT	6
FWD COUPLED	3
REV COUPLED	4
GROUND	2,5

1. Specifications guaranteed in a 50 ohm test system
2. Available in Tape and Reel
3. Mainline loss includes 0.46 dB coupling loss

Typical Performance



Specifications Subject to Change Without Notice

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