

Surface Mount 3-Port Directional Coupler

4-1000 MHz, 50 ohms

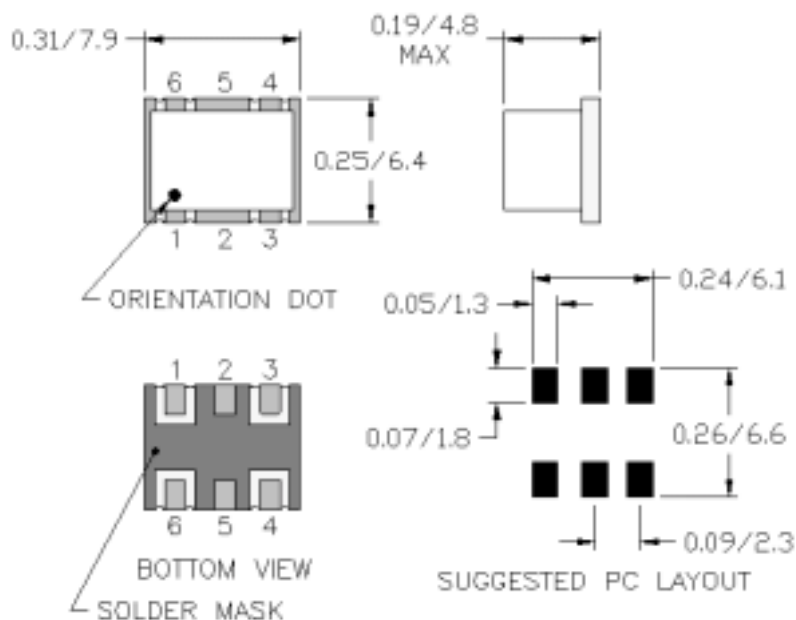
Package Style 80
DCBE10-80H3

Key Features

- Coupling: 10 ± 0.5 dB
- Directivity: 25 dB
- Solder Reflow to 240°C

Guaranteed Specifications

	TYP	MAX
Coupling Flatness (dB)	± 0.3	± 0.5
Mainline Loss (dB)	1.0	1.3
Directivity (dB)	TYP 25	MIN 20
Return Loss (dB)	25	19
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 = $\pm 0.02 / 0.50$

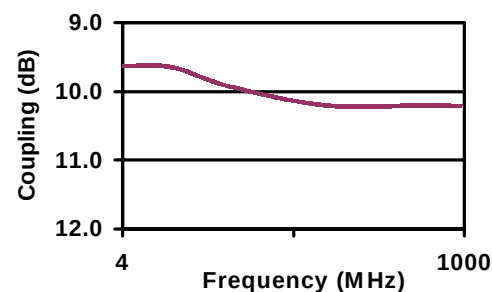
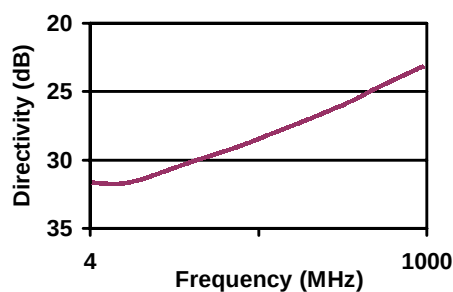
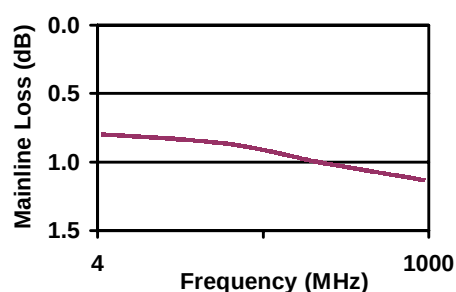
.xxx = $\pm 0.010 / 0.250$

Pin Configuration

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

Function	Pin
INPUT	1
OUTPUT	6
COUPLED	3
NO CONNECTION	4
GROUND	2,5

Typical Performance



Specifications Subject to Change Without Notice

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