

# Surface Mount 4-Port Directional Coupler

## 4-1000 MHz, 50 OHMS

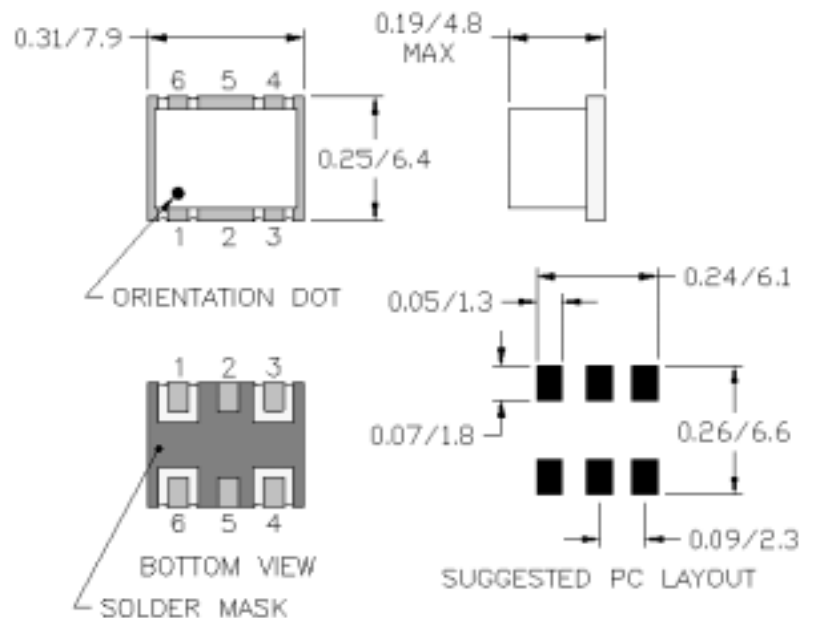
**Package Style 80**  
**DCBE20-80H4**

### Key Features

- Coupling:  $20 \pm 1.0$  dB
- Directivity: 20 dB
- Solder Reflow to 240°C

### Guaranteed Specifications

|                        | TYP            | MAX       |
|------------------------|----------------|-----------|
| Coupling Flatness (dB) | $\pm 0.5$      | $\pm 1.0$ |
| Mainline Loss (dB)     | 0.7            | 1.3       |
| Directivity (dB)       | TYP<br>18      | MIN<br>16 |
| Return Loss (dB)       | 17             | 16        |
| 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 =  $\pm 0.02 / 0.50$

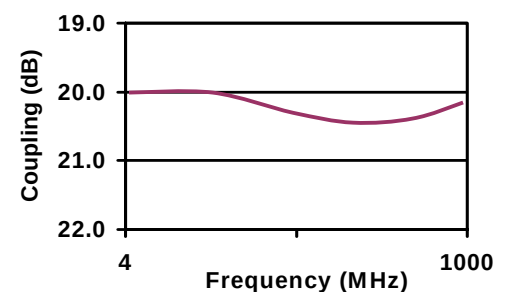
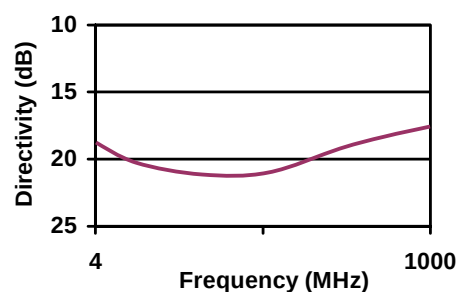
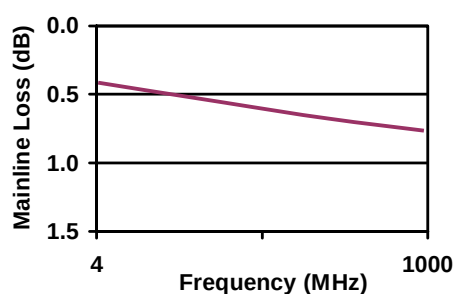
.xxx =  $\pm 0.010 / 0.250$

### 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 also includes theoretical coupling loss.

### Typical Performance



Specifications Subject to Change Without Notice

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