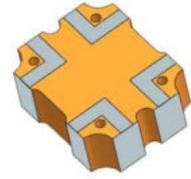


# SMT Bi-Directional Coupler

## Model D2001M220240 Rev.A

2.2-2.4GHz 20dB Bi-Directional Coupler, SMT



### Specifications

All specifications are subject to change without notice at any time

|                             |           |         |
|-----------------------------|-----------|---------|
| Frequency Range             | GHz       | 2.2-2.4 |
| Main Line VSWR              | :1 (Max.) | 1.2     |
| Coupling VSWR               | :1 (Max.) | 1.2     |
| Insertion Loss <sup>1</sup> | dB(Max.)  | 0.2     |
| Coupling                    | dB(Max.)  | 20±1    |
| Flatness                    | dB(Max.)  | ±0.3    |
| Directivity                 | dB(Min.)  | 18      |

### PORT CONFIGURATION

| INPUT | OUTPUT | FORWARD COUPLED        | REFLECTED COUPLED      |
|-------|--------|------------------------|------------------------|
| J1    | J2     | J3                     | J4 ADD 50Ω TERMINATION |
| J1    | J2     | J3 ADD 50Ω TERMINATION | J4                     |
| J2    | J1     | J4                     | J3 ADD 50Ω TERMINATION |
| J2    | J1     | J4 ADD 50Ω TERMINATION | J3                     |

|                        |            |                |
|------------------------|------------|----------------|
| Power <sup>2</sup>     | W(Max.)    | CW: 50         |
| Weight                 | g(Max.)    | 1              |
| Dimension <sup>3</sup> | mm (LxWxH) | 6.35x5.08x1.72 |

Interface Surface Mount

Finishing Immersion Gold

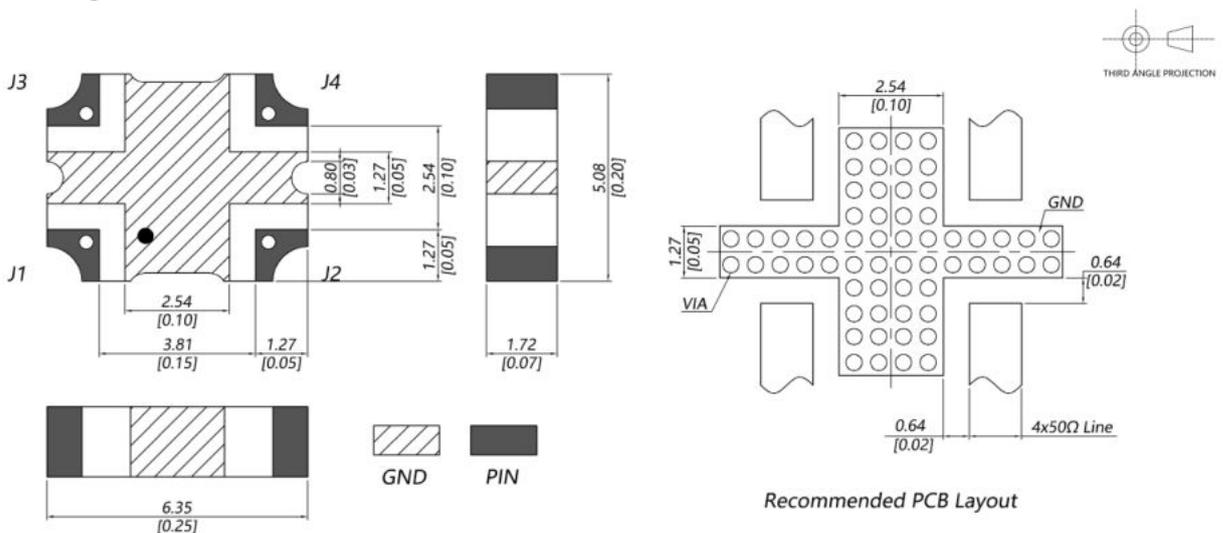
Temperature Operating: -55~+85°C; Storage: -55~+100°C

Environmental N/A

Eng. Customized N/A

- Note:
1. Power loss at coupled port excluded
  2. VSWR ≤1.2 required for CW
  3. Unless otherwise specified, Decimal tolerance: x.±1; .x±0.5; .xx±0.25

### Outline Drawing



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### Typical Graph

Typical test environment: 25°C and 60%RH

