

# 4-Port 90° SMT Hybrid Coupler

## Model Q3M080300 Rev.A

0.8-3GHz 4-Port 3dB 90° Hybrid, SMT



### Specifications

All specifications are subject to change without notice at any time

|                             |             |         |
|-----------------------------|-------------|---------|
| Frequency Range             | GHz         | 0.8-3   |
| Nom. Phase                  | Deg. (Typ.) | 90      |
| Ports VSWR                  | :1 (Max.)   | 1.35    |
| Insertion Loss <sup>1</sup> | dB(Max.)    | 0.45    |
| Amp. Unbalance              | dB(Max.)    | ±0.6    |
| Phase Unbalance             | Deg. (Max.) | ±5      |
| Isolation                   | dB(Min.)    | 18      |
| Power <sup>2</sup>          | W(Max.)     | CW: 150 |

**PORT CONFIGURATION**

| INPUT | J1   | J2   | J3   | J4   |
|-------|------|------|------|------|
| J1    | -    | ISO  | -90° | 0°   |
| J2    | ISO  | -    | 0°   | -90° |
| J3    | -90° | 0°   | -    | ISO  |
| J4    | 0°   | -90° | ISO  | -    |



Weight g(Max.) 4 Dimension<sup>3</sup> mm (LxWxH) 12.70x38.10x1.80

Interface Surface Mount

Finishing Immersion Gold

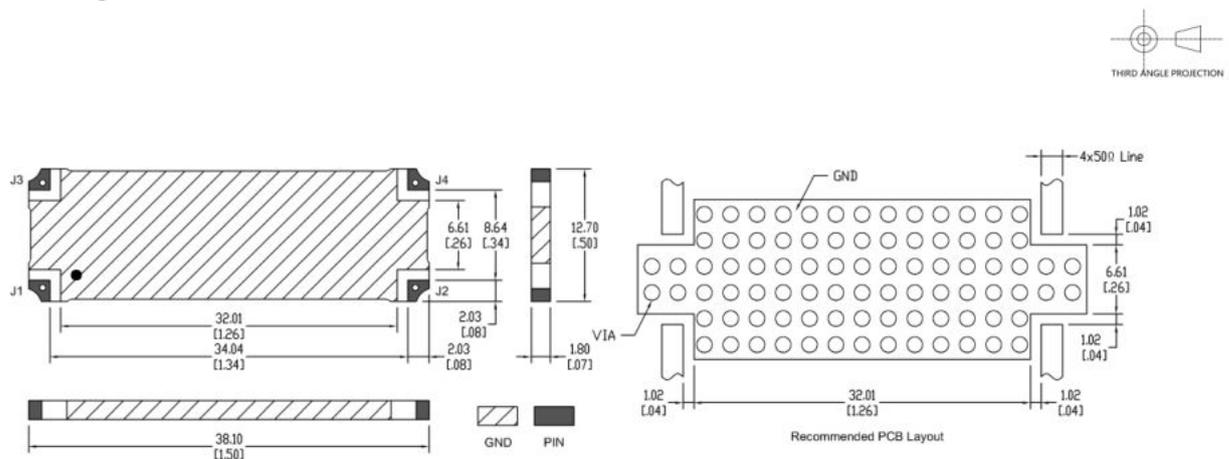
Temperature Operating: -55~+85°C; Storage: -55~+100°C

Environmental N/A

Eng. Customized N/A

- Note:
- Above theoretical 3dB and amplitude unbalance
  - VSWR ≤ 1.2 required for CW
  - 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

