

# 4-Port 90° SMT Hybrid Coupler

## Model Q1M300900 Rev.A

3-9GHz 4-Port Surface Mount 90° Hybrid, SMT



### Specifications

All specifications are subject to change without notice at any time

Frequency Range	GHz	3-9
Nom. Phase	Deg. (Typ.)	90
Ports VSWR	:1 (Max.)	1.4
Insertion Loss <sup>1</sup>	dB(Max.)	0.7
Amp. Unbalance	dB(Max.)	±1
Phase Unbalance	Deg. (Max.)	±5
Isolation	dB(Min.)	15
Power <sup>2</sup>	W(Max.) CW:	50

PORT CONFIGURATION

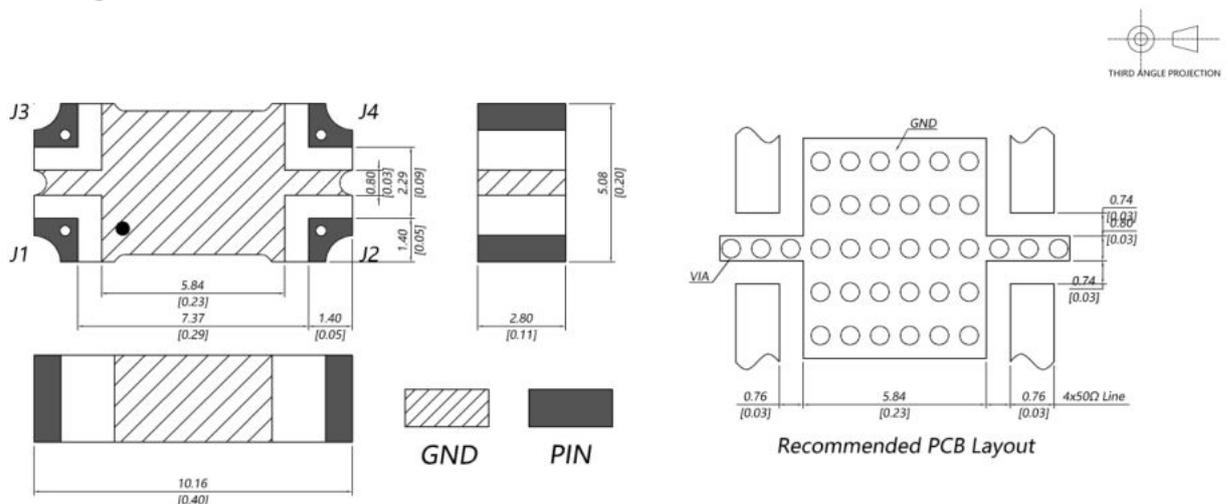
INPUT	J1	J2	J3	J4
J1	-	ISO	0°	-90°
J2	ISO	-	-90°	0°
J3	0°	-90°	-	ISO
J4	-90°	0°	ISO	-



Weight	g(Max.)	1	Dimension <sup>3</sup> mm (LxWxH)	5.08x10.16x2.80
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



# 4-Port 90° SMT Hybrid Coupler

## Model Q1M300900 Rev.A

3-9GHz 4-Port Surface Mount 90° Hybrid, SMT

### Typical Graph

Typical test environment: 25°C and 60%RH

