

# 4-Port 90° SMT Hybrid Coupler

## Model Q5M190300 Rev.B

1.9-3GHz 4-Port 3dB 90° Hybrid, SMT



### Specifications

All specifications are subject to change without notice at any time

Frequency Range	GHz	1.9-3
Nom. Phase	Deg. (Typ.)	90
Ports VSWR	:1 (Max.)	1.3
Insertion Loss <sup>1</sup>	dB(Max.)	0.25
Amp. Unbalance	dB(Max.)	±0.3
Phase Unbalance	Deg. (Max.)	±5
Isolation	dB(Min.)	18
Power <sup>2</sup>	W(Max.)	CW: 250
Weight	g(Max.)	1
Dimension <sup>3</sup>	mm (LxWxH)	8.89x14.22x3.30
Interface	Surface Mount	
Finishing	Immersion Gold	
Temperature	Operating: -55~+85°C; Storage: -55~+100°C	
Environmental	N/A	
Eng. Customized	N/A	

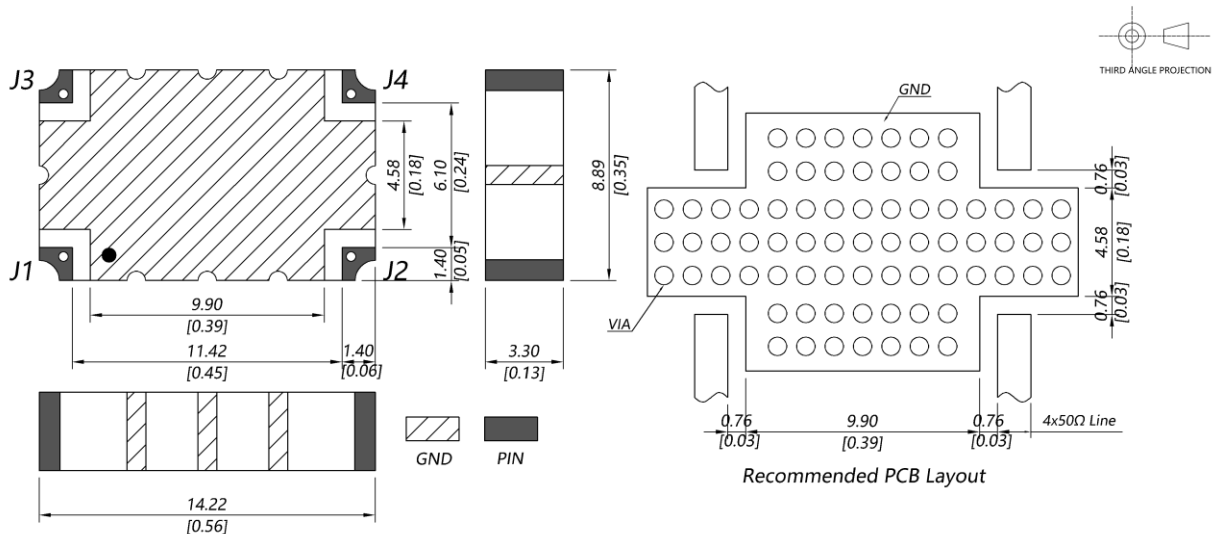
#### PORT CONFIGURATION

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



- 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 temperature @25°C

