4-Port 90° SMT Hybrid Coupler

Model **Q2M069270 Rev.A**

0.698-2.7GHz 4-Port 3dB 90° Hybrid, SMT

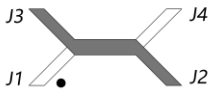
Specifications

All specifications are subject to change without notice at any time

Frequency Range	GHz	0.698-2.7
Nom. Phase	Deg. (Typ.)	90
Ports VSWR	:1 (Max.)	1.3
Insertion Loss[1]	dB(Max.)	0.6
Amp. Unbalance	dB(Max.)	±0.8
Phase Unbalance	Deg. (Max.)	±5
Isolation	dB(Min.)	18

PORT CONFIGURATION

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

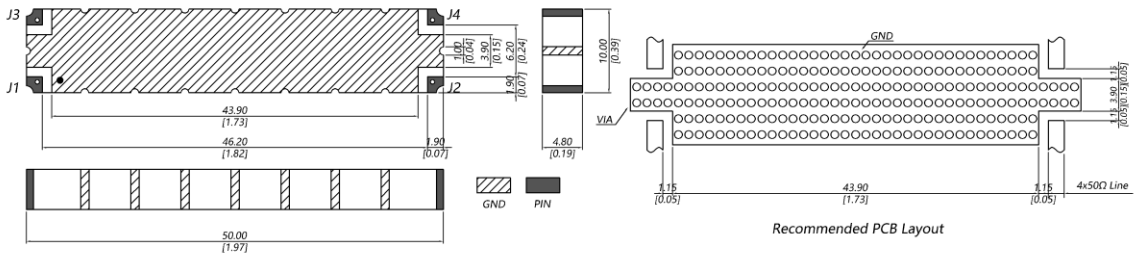


Power[2]	W(Max.)	CW: 100			
Weight	g(Max.)	6	Dimension[3]	mm (LxWxH)	10.00x50.00x4.80
Interface	Surface Mount				
Finishing	Immersion Gold				
Temperature	Operating: -55~+85°C; Storage: -55~+100°C				
Environmental	N/A				
Eng. Customized	N/A				

Note:

1. Above theoretical 3dB and amplitude unbalance
2. VSWR ≤1.2 required for CW
3. Unless otherwise specified, Decimal tolerance: x.±1; .x±0.5; .xx±0.25

Outline Drawing



Recommended PCB Layout