

4-Port 90° SMT Hybrid Coupler

Model Q1M070420 Rev.A

0.7-4.2GHz 4-Port 3dB 90° Hybrid, SMT



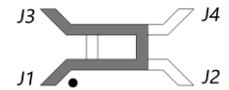
Specifications

All specifications are subject to change without notice at any time

Frequency Range	GHz	0.7-4.2
Nom. Phase	Deg. (Typ.)	90
Ports VSWR	:1 (Max.)	1.35
Insertion Loss ¹	dB(Max.)	0.9
Amp. Unbalance	dB(Max.)	±0.6
Phase Unbalance	Deg. (Max.)	±5
Isolation	dB(Min.)	17

PORT CONFIGURATION

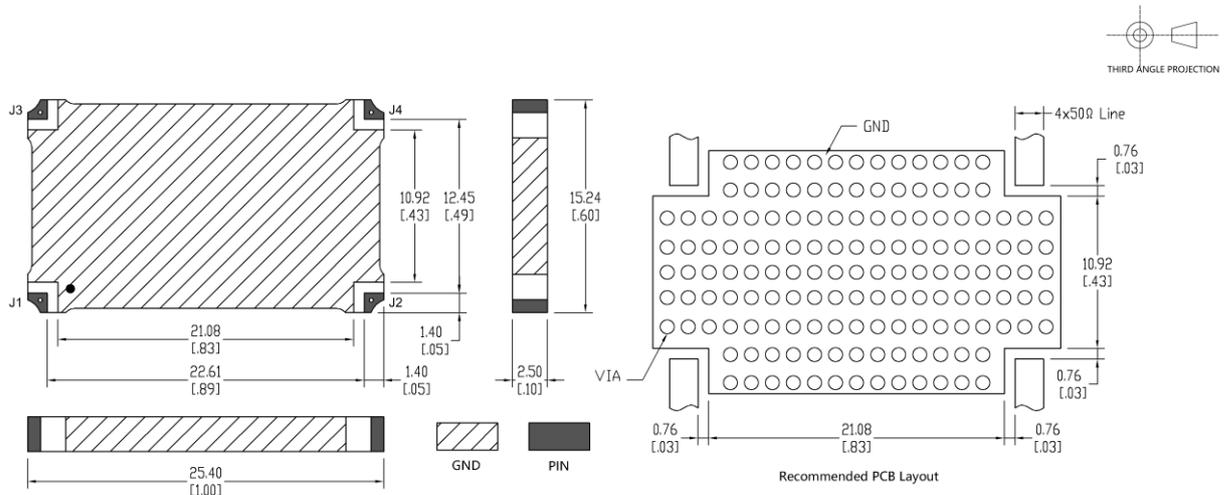
INPUT	J1	J2	J3	J4
J1	-	ISO	-90°	0°
J2	ISO	-	0°	-90°
J3	-90°	0°	-	ISO
J4	0°	-90°	ISO	-



Power ²	W(Max.)	CW: 50		
Weight	g(Max.)	4	Dimension ³ mm (LxWxH)	15.24x25.40x2.50
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

