

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/4/16	C. Chen

TECHNICAL DATA

► Electrical Data

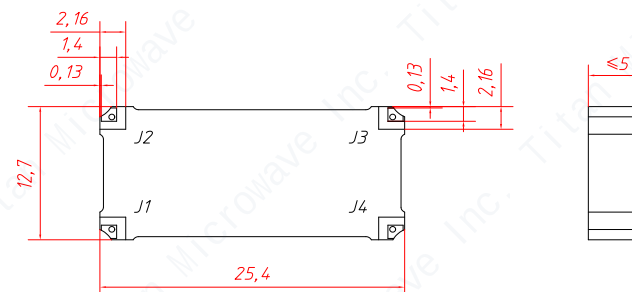
Frequency Range	500~2500MHz
Insertion Loss(average)	≤0.6dB
VSWR	≤1.35:1
Isolation	≥16dB
Phase Balance	≤±5°
Amplitude Balance	≤±0.85dB
Power Handling	50W

► Mechanical Data

Dimensions	25.4×12.7×5mm max
Connector Type	SMD
Surface Finish	Immersion Gold

► Environmental Data

Operating Temperature	-55℃~+85℃
-----------------------	-----------



INPUT	J1	J2	J3	J4
J1	-----	-3dB<0°	-3dB<90°	ISOLATION
J2	-3dB<0°	-----	ISOLATION	-3dB<90°
J3	-3dB<90°	ISOLATION	-----	-3dB<0°
J4	ISOLATION	-3dB<90°	-3dB<0°	-----

Notes:

- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
- CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY

DRAWN: L. Ma 16/04/22		
ENGINEER: J. Zhu 16/04/22		
APPROVED: C. Chen 16/04/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:

SMD 90° Hybrid Coupler,
3dB, 500-2500MHz,
50W

PART No.:

TM0107-3-50



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

SIZE: A4	SCALE:	SHEET: 1/1	REV: A
-------------	--------	---------------	-----------