

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

TECHNICAL DATA

► Electrical Data

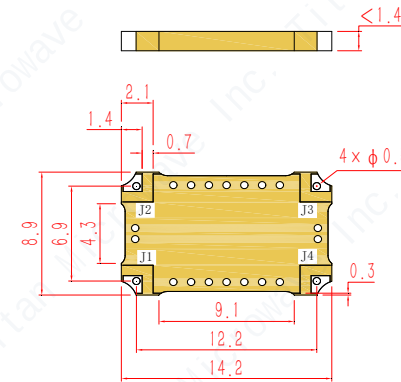
Frequency Range	8~12GHz
Insertion Loss(average)	≤0.6dB
VSWR	≤1.5:1
Isolation	≥15dB
Phase Balance	≤±6°
Amplitude Balance	≤±0.6dB
Power Handling	50W(CW)

► Mechanical Data

Dimensions	14.2×8.9×1.4mm max
Connector Type	SMD
Surface Finish	Immersion Gold

► Environmental Data

Operating Temperature $-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$



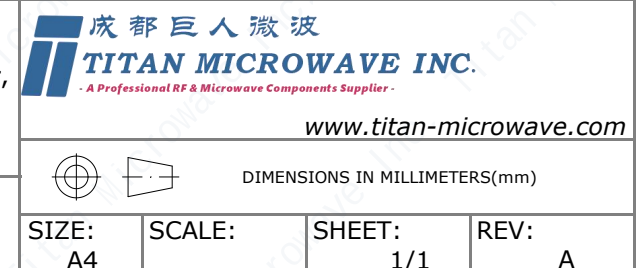
INPUT	J1	J2	J3	J4
J1	-----	$-3\text{dB} < 0^\circ$	$-3\text{dB} < -90^\circ$	ISOLATION
J2	$-3\text{dB} < 0^\circ$	-----	ISOLATION	$-3\text{dB} < -90^\circ$
J3	$-3\text{dB} < -90^\circ$	ISOLATION	-----	$-3\text{dB} < 0^\circ$
J4	ISOLATION	$-3\text{dB} < -90^\circ$	$-3\text{dB} < 0^\circ$	-----

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, 8-12GHz,
50W

PART No.:
TM0163-3



Notes:

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