

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

TECHNICAL DATA

Electrical Data

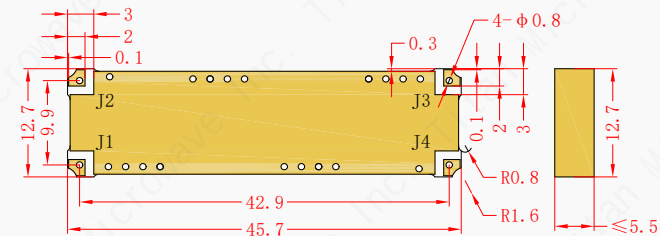
Frequency Range	500~2500MHz
Insertion Loss(average)	0.6dB max
VSWR	1.3:1 max
Isolation	18dB min
Phase Balance	±5° max
Amplitude Balance	±0.7dB max@500~600MHz ±0.6dB max@600~2500MHz
Power Handling	100W(CW)

Mechanical Data

Dimensions	45.7×12.7×5.5mm max
Connector Type	SMD
Surface Finish	Immersion Gold

Environmental Data

Operating Temperature	-55℃~+85℃
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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			TITLE: SMD 90 Degree Hybrid Coupler, 3dB, 500-2500MHz, 100W	 成都巨人微波 TITAN MICROWAVE INC. - A Professional RF & Microwave Components Supplier -			
ENGINEER: J. Zhu 16/04/22				 DIMENSIONS IN MILLIMETERS(mm)			
APPROVED: C. Chen 16/04/22							
TOLERANCE UNLESS OTHERWISE SPECIFIED							
x	±0.50	[0.019"]	PART No.: TM0107-3	www.titan-microwave.com			
.x	±0.20	[0.008"]					
.xx	±0.10	[0.004"]					
ANGLES	±1°						
			SIZE:	SCALE:	SHEET:	REV:	
			A4		1/1	A	