

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

TECHNICAL DATA

► Electrical Data

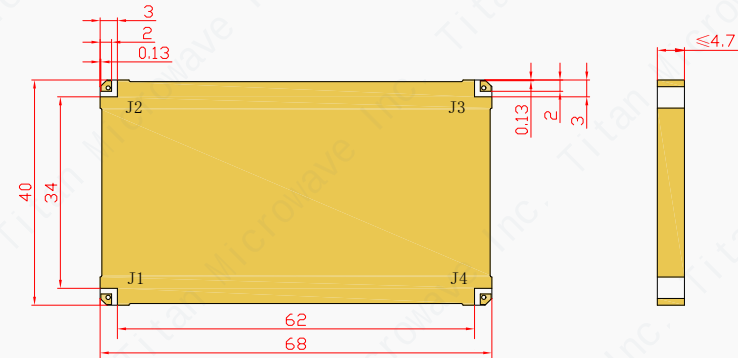
Frequency Range	80~1000MHz
Insertion Loss(average)	0.9dB max
VSWR	1.3:1 max
Isolation	18dB min
Phase Balance	±5° max
Amplitude Balance	±1.0dB max
Power Handling	250W(CW)

► Mechanical Data

Dimensions	68×40×4.7mm 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<-90°	-3dB<0°	ISOLATION
J2	-3dB<-90°	-----	ISOLATION	-3dB<0°
J3	-3dB<0°	ISOLATION	-----	-3dB<-90°
J4	ISOLATION	-3dB<0°	-3dB<-90°	-----

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, 80-1000MHz, 250W PART No.: TM0142-3-250		 成都巨人微波 TITAN MICROWAVE INC. - A Professional RF & Microwave Components Supplier - www.titan-microwave.com		
ENGINEER: J. Zhu 16/04/22							
APPROVED: C. Chen 16/04/22							
TOLERANCE UNLESS OTHERWISE SPECIFIED							
x	±0.50	[0.019"]	 DIMENSIONS IN MILLIMETERS(mm) SIZE: A4 SCALE: SHEET: 1/1 REV: A				
.x	±0.20	[0.008"]					
.xx	±0.10	[0.004"]					
ANGLES	±1°						

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