

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

TECHNICAL DATA

► Electrical Data

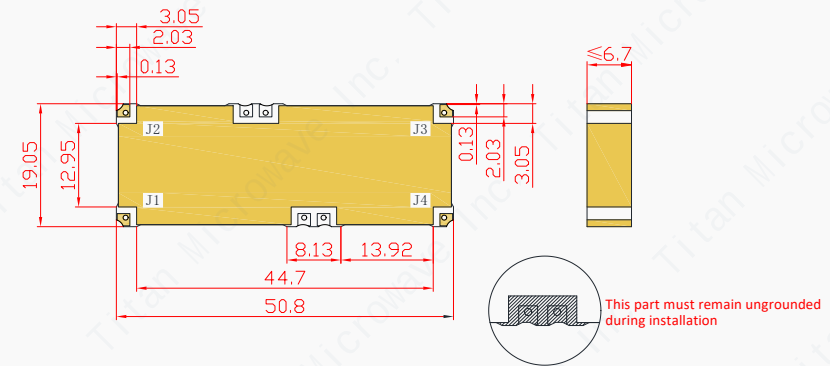
Frequency Range	100~520MHz
Insertion Loss(average)	0.6dB max
VSWR	1.3:1 max
Isolation	18dB min
Phase Balance	±5° max
Amplitude Balance	±0.8dB max
Power Handling	150W(CW)

► Mechanical Data

Dimensions	50.8×19.05×6.7mm 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<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, 100-520MHz, 150W	 www.titan-microwave.com		
ENGINEER: J. Zhu 16/04/22				
APPROVED: C. Chen 16/04/22				
TOLERANCE UNLESS OTHERWISE SPECIFIED	PART No.: TM0188-3-100	 DIMENSIONS IN MILLIMETERS(mm)		
x ±0.50 [0.019"]		SIZE: A4	SCALE:	SHEET: 1/1
.x ±0.20 [0.008"]				REV: A
.xx ±0.10 [0.004"]				
ANGLES ±1°				