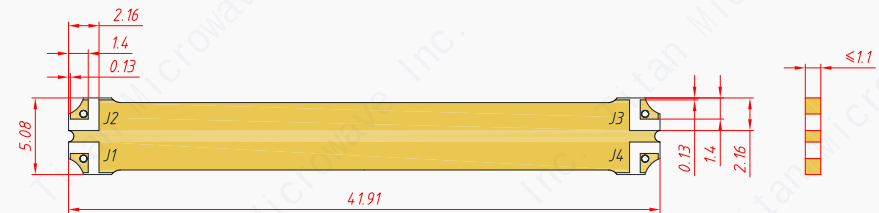


TECHNICAL DATA

► Electrical Data

Frequency Range	1000~6000MHz
Insertion Loss(average)	0.75dB max
VSWR	1.3:1 max
Isolation	17dB min
Phase Balance	±4° max
Amplitude Balance	±1.2dB max
Power Handling	50W(CW)



► Mechanical Data

Dimensions	41.91×5.08×1.1mm max
Connector Type	SMD
Surface Finish	Immersion Gold

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°	-----

► Environmental Data

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

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 Degree Hybrid
Coupler, 3dB, 1-6GHz,
50W

PART No.:

TM0187-3-50



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

SIZE:
A4

SCALE:

SHEET:	1/
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REV:	A
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Notes:

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