

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2026/1/24	C. Chen

TECHNICAL DATA

► Electrical Data

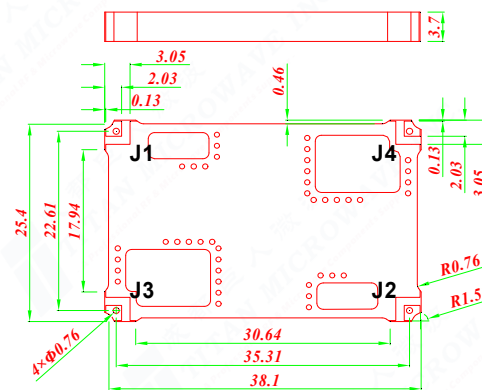
Frequency Range	200~1000MHz
Coupling	47±1.0dB max
Coupling Flatness	±0.5dB max
Insertion Loss	0.2dB max
VSWR(Primary Line)	1.2:1 max
Directivity	22dB min
Phase Balance(Primary Line)	±3° max
Main Line Power	150W max

► Mechanical Data

Connector Type	SMD
Surface Finish	Immersion Gold
Dimensions	38.1×25.4×3.7mm

► Environmental Data

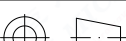
Operating Temperature	-55℃~+85℃
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IN	OUT	Forward Coupled	Reflected Coupled
J1	J2	J3	J4
J2	J1	J4	J3

Notes:

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

DRAWN: L. Ma 24/01/26			TITLE: SMD Directional Coupler, 200~1000MHz, 150W, 47dB	 成都巨人微波 TITAN MICROWAVE INC. - A Professional RF & Microwave Components Supplier -			
ENGINEER: J. Zhu 24/01/26				www.titan-microwave.com			
APPROVED: C. Chen 24/01/26							
TOLERANCE UNLESS OTHERWISE SPECIFIED				PART No.: TM010501-47	 DIMENSIONS IN MILLIMETERS(mm)		
x	±0.50	[0.019"]		SIZE:	SCALE:	SHEET:	REV:
.x	±0.20	[0.008"]		A4		1/1	A
.xx	±0.10	[0.004"]					
ANGLES	±1°						