

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

TECHNICAL DATA

► Electrical Data

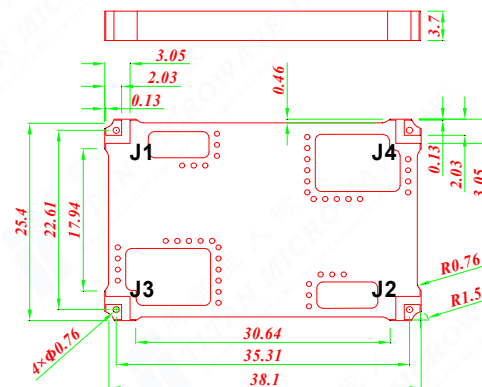
Frequency Range	900~1800MHz
Coupling	43±1.0dB max
Coupling Flatness	±0.5dB max
Insertion Loss	0.35dB max
VSWR(Primary Line)	1.3:1 max
Directivity	16dB min
Main Line Power	300W max

► Mechanical Data

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

► Environmental Data

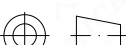
Operating Temperature	-55℃~+85℃
-----------------------	-----------



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, 900~1800MHz, 300W, 45dB	 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.: TM010210-45	 DIMENSIONS IN MILLIMETERS(mm)						
x	±0.50	[0.019"]	<table><tr><td>SIZE: A4</td><td>SCALE:</td><td>SHEET: 1/1</td><td>REV: A</td></tr></table>				SIZE: A4	SCALE:	SHEET: 1/1	REV: A	
SIZE: A4	SCALE:	SHEET: 1/1					REV: A				
.x	±0.20	[0.008"]									
.xx	±0.10	[0.004"]									
ANGLES	±1°										