

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2023/4/12	C. Chen

TECHNICAL DATA

► Electrical Data

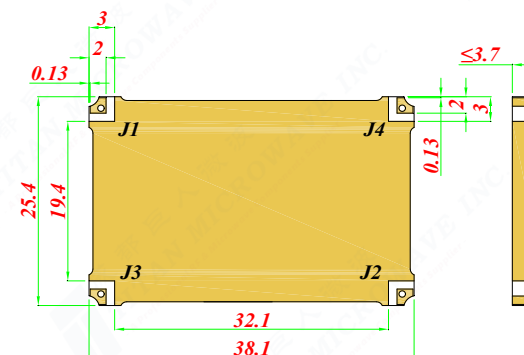
Frequency Range	30~700MHz
Coupling	50±1.5dB
Coupling Flatness	±0.7dB max
Insertion Loss	0.35dB max
VSWR(Primary Line)	1.25:1 max
Directivity	17dB min
Main Line Power	300W(CW) max

► Mechanical Data

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

► Environmental Data

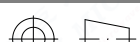
Operating Temperature	-55℃~+85℃
-----------------------	-----------



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 12/04/23			TITLE: SMD Directional Coupler, 30~700MHz, 300W, 50±1.5dB		 成都巨人微波 TITAN MICROWAVE INC. - A Professional RF & Microwave Components Supplier - www.titan-microwave.com	
ENGINEER: J. Zhu 12/04/23						
APPROVED: C. Chen 12/04/23			PART No.: TM010T18-50		 DIMENSIONS IN MILLIMETERS(mm) SIZE: A4 SCALE: SHEET: 1/1 REV: A	
TOLERANCE UNLESS OTHERWISE SPECIFIED						
x	±0.50	[0.019"]				
.x	±0.20	[0.008"]				
.xx	±0.10	[0.004"]				
ANGLES	±1°					

x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	