

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

TECHNICAL DATA

► Electrical Data

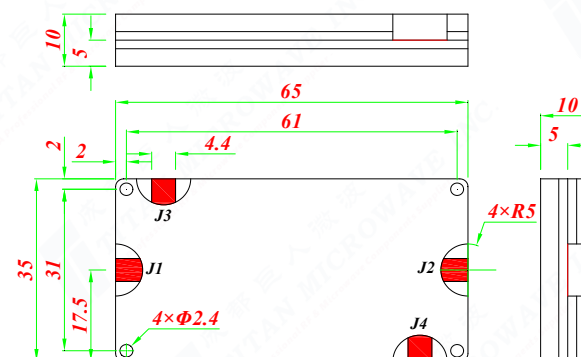
Frequency Range	700~1224MHz
Coupling	30±1.0dB max
Coupling Flatness	±0.8dB max
Insertion Loss	0.15dB max
VSWR(Primary Line)	1.3:1 max
Directivity	20dB min
Main Line Power	300W(CW)

► Mechanical Data

Connector Type	Microstrip
Surface Finish	Conductive Oxidation
Dimensions	65×35×10mm

► 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		
ENGINEER: J. Zhu 24/01/26		
APPROVED: C. Chen 24/01/26		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE: SMD Directional Coupler, 700~1224MHz, 300W, 30dB	PART No.: TM010017-40D		

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www.titan-microwave.com			
 DIMENSIONS IN MILLIMETERS(mm)			
SIZE: A4	SCALE:	SHEET: 1/1	REV: A