

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

TECHNICAL DATA

► Electrical Data

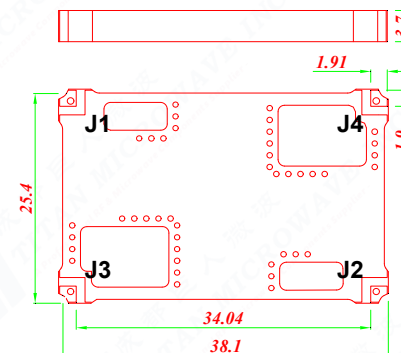
Frequency Range	240~550MHz
Coupling	43±1.0dB max
Coupling Flatness	±1.0dB max
Insertion Loss	0.3dB max
VSWR(Primary Line)	1.3:1 max
Directivity	20dB min
Main Line Power	300W max

► Mechanical Data

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

► Environmental Data

Operating Temperature	-55℃~+85℃
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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,
240~550MHz,
300W, 43dB

PART No.:

TM010T03-45A



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DIMENSIONS IN MILLIMETERS(mm)

SIZE: A4	SCALE:	SHEET: 1/1	REV: A
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