

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/3/24	C. Chen

TECHNICAL DATA

► Electrical Data

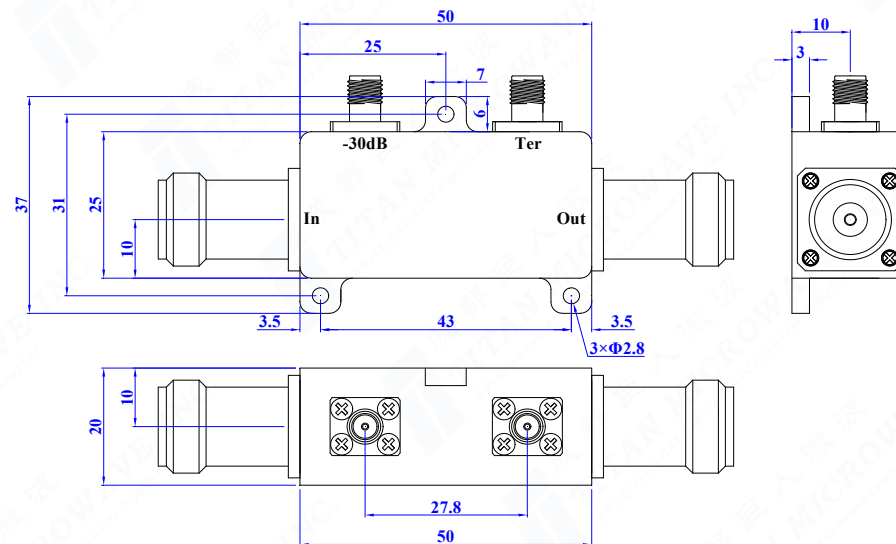
Frequency Range	3000~10000MHz
Nominal Coupling	30±1dB
Coupling Flatness	±0.7dB max
Insertion Loss	0.6dB max
Primary Line VSWR	1.4:1 max
Coupled Line VSWR	1.6:1 max
Directivity	10dB
Impedance	50 Ohms
Primary Line Power	400W(CW), 3000W(PK, Pulse Width ≥1us, Duty Cycle≥10%)

► Mechanical Data

Input/Output Connectors	N-Female
Coupled Connector	SMA-Female
Body Material	Aluminum
Surface Finish	Conductive Oxide
Dimensions	50×25×20mm

► Environmental Data

Operating Temperature	-55℃~+85℃
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Notes:

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

DRAWN: L. Ma 24/03/25			TITLE: Single Directional Coupler, 3~10GHz, 30dB, 400W N-Female & SMA-Female	 成都巨人微波 TITAN MICROWAVE INC. - A Professional RF & Microwave Components Supplier - www.titan-microwave.com					
ENGINEER: J. Zhu 24/03/25									
APPROVED: C. Chen 24/03/25				PART No.: TMDC-03001000-30NS400	 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°								