

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/4/30	C. Chen

TECHNICAL DATA

► Electrical Data

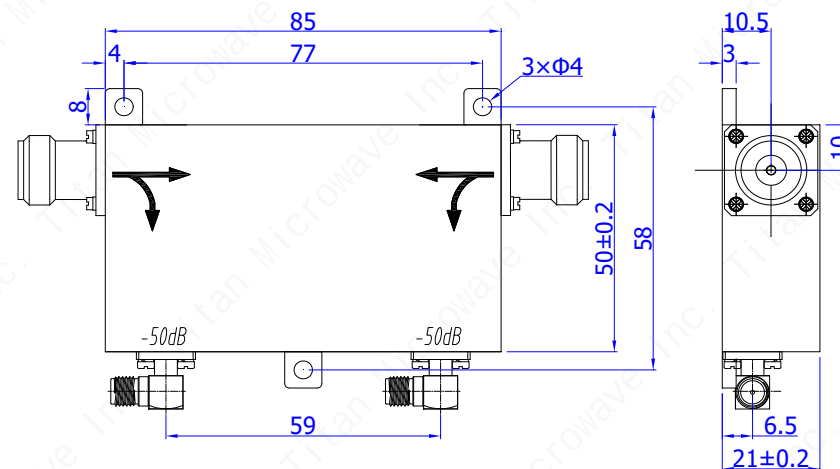
Frequency Range	400~3000MHz
Coupling	50±2dB max
Coupling Flatness	±1.0dB max
Insertion Loss	0.3dB max
Primary Line VSWR	1.25:1 max
Coupled Line VSWR	1.6:1 max
Directivity	18dB min
Impedance	50 Ohms
Primary Line Power	500W

► Mechanical Data

Primary Line Connectors	N-Female
Coupled Connectors	SMA-Female
Housing Material	Aluminum
Surface Finish	Conductive Oxidation
Dimensions	85×50×21mm

► Environmental Data

Operating Temperature	-40℃~+70℃
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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 30/04/25			TITLE: Dual Directional Coupler, 400~3000MHz, 50dB, 500W, 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 30/04/25										
APPROVED: C. Chen 30/04/25										
TOLERANCE UNLESS OTHERWISE SPECIFIED			PART No.: TDDC-00400300-50NS500		 DIMENSIONS IN MILLIMETERS(mm)					
x ±0.50 [0.019"]										
.x ±0.20 [0.008"]										
.xx ±0.10 [0.004"]										
ANGLES ±1°										
			SIZE: A4		SCALE:		SHEET: 1/1		REV: A	