

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

TECHNICAL DATA

► Electrical Data

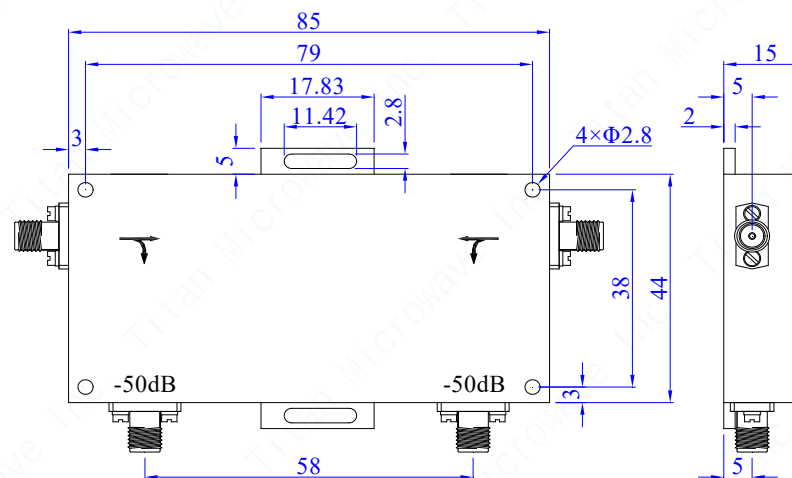
Frequency Range	500~3000MHz
Coupling	50±1.5dB max
Insertion Loss	0.5dB max
Primary Line VSWR	1.3:1 max
Directivity	16dB min
Impedance	50 Ohms
Primary Line Power	100W max

► Mechanical Data

Primary Line Connectors	SMA-Female
Coupled Connectors	SMA-Female
Housing Material	Aluminum
Surface Finish	Conductive Oxidation
Dimensions	85×44×15mm

► Environmental Data

Operating Temperature	-55℃~+85℃
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Notes:

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

DRAWN: L. Ma 30/04/25			TITLE: Dual Directional Coupler, 500~3000MHz, 50dB, 100W, 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				PART No.: TDDC-00500300-50S100	DIMENSIONS IN MILLIMETERS(mm)		
TOLERANCE UNLESS OTHERWISE SPECIFIED							
x	±0.50	[0.019"]	SIZE: A4 SCALE: SHEET: 1/1 REV: A				
.x	±0.20	[0.008"]					
.xx	±0.10	[0.004"]					
ANGLES	±1°						