

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

TECHNICAL DATA

► Electrical Data

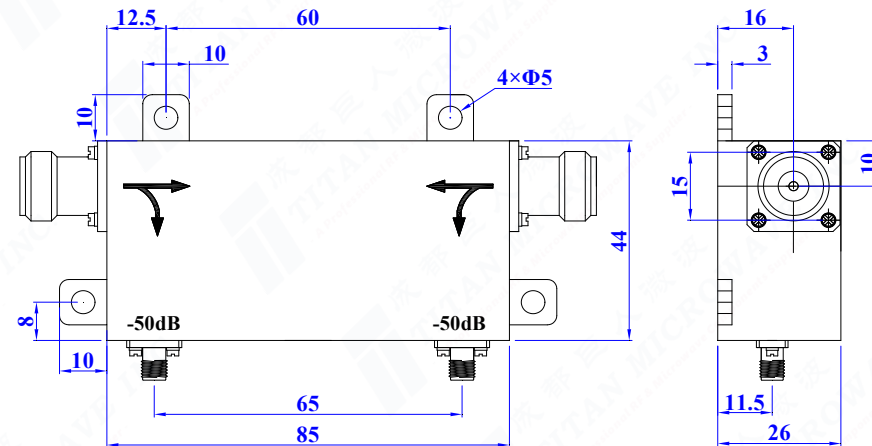
Frequency Range	50~1000MHz
Coupling	50±2.0dB max
Coupling Flatness	±2.0dB max
Insertion Loss	0.3dB max
Primary Line VSWR	1.3:1 max
Directivity	20dB min
Impedance	50 Ohms
Primary Line Power	800W(CW, max)

► Mechanical Data

Primary Line Connectors	N-Female
Coupled Connectors	SMA-Female
Housing Material	Aluminum
Surface Finish	Conductive Oxidation
Dimensions	85×44×26mm

► 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 30/04/25			TITLE: Dual Directional Coupler, 0.05~1GHz, 50dB, 800W, N-Female & SMA-Female		成都巨人微波 TITAN MICROWAVE INC. - A Professional RF & Microwave Components Supplier -			
ENGINEER: J. Zhu 30/04/25					www.titan-microwave.com			
APPROVED: C. Chen 30/04/25								
TOLERANCE UNLESS OTHERWISE SPECIFIED								
x	±0.50	[0.019"]	PART No.: TDDC-00050100-50NS800		DIMENSIONS IN MILLIMETERS(mm)			
.x	±0.20	[0.008"]						
.xx	±0.10	[0.004"]						
ANGLES	±1°							
					SIZE:	SCALE:	SHEET:	REV:
					A4		1/1	A