

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

TECHNICAL DATA

Electrical Data

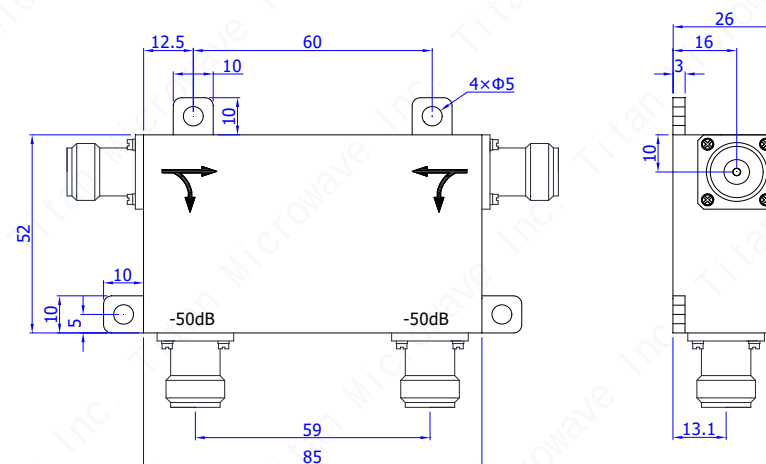
Frequency Range	80~1000MHz
Coupling	50±1dB
Coupling Variation	1.0dB max
Insertion Loss	0.25dB max
Primary Line VSWR	1.2:1 max
Coupled Line VSWR	1.2:1 max
Directivity	20dB min
Impedance	50 Ohms
Primary Line Power	1000W

► Mechanical Data

Primary Line Connectors	N-Female
Coupled Connectors	N-Female
Housing Material	Aluminum
Surface Finish	Conductive Oxidation
Dimensions	85×52×26mm

► Environmental Data

Operating Temperature -55°C~+85°C



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, 80~1000MHz, 50dB, 1000W, N-Female	成都巨人微波 TITAN MICROWAVE INC. <i>- A Professional RF & Microwave Components Supplier -</i>	www.titan-microwave.com			
ENGINEER: J. Zhu 30/04/25								
APPROVED: C. Chen 30/04/25								
TOLERANCE UNLESS OTHERWISE SPECIFIED			PART No.: TDDC-00080100-50N1KW	DIMENSIONS IN MILLIMETERS(mm)	SIZE: A4 SCALE: SHEET: 1/1 REV: A			
x	±0.50	[0.019"]						
.x	±0.20	[0.008"]						
.xx	±0.10	[0.004"]						
ANGLES	±1°							