

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

TECHNICAL DATA

► Electrical Data

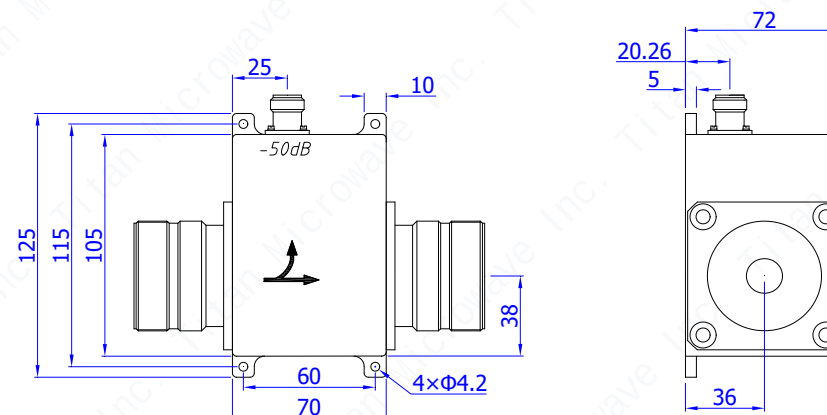
Frequency Range	500~2000MHz
Nominal Coupling	50±1.0dB
Coupling Flatness	±0.8dB max
Insertion Loss	0.35dB max
Primary Line VSWR	1.25:1 max
Directivity	18dB min
Impedance	50 Ohms
Primary Line Power	2000W

► Mechanical Data

Input/Output Connectors	L52-Female
Coupled Connector	N-Female
Body Material	Aluminum
Surface Finish	Conductive Oxide
Dimensions	70×105×72mm

► Environmental Data

Operating Temperature	-40℃~+55℃
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DRAWN: L. Ma 24/03/25		
ENGINEER: J. Zhu 24/03/25		
APPROVED: C. Chen 24/03/25		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE: Single Directional Coupler, 500~2000MHz Coupling 50dB, 2000W L52-Female & N-Female	 成都巨人微波 TITAN MICROWAVE INC. - A Professional RF & Microwave Components Supplier - www.titan-microwave.com		
PART No.:	TMDC-00500200-50L52N2KW		



DIMENSIONS IN MILLIMETERS(mm)

SIZE: A4	SCALE:	SHEET: 1/1	REV: A
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Notes:

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