

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

TECHNICAL DATA

► Electrical Data

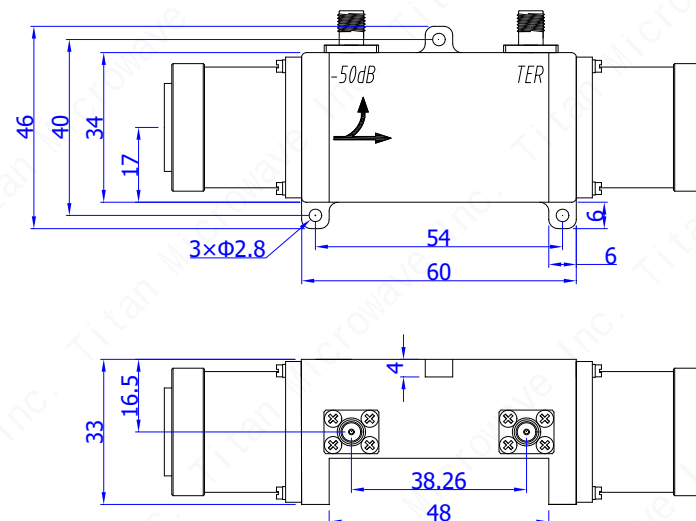
Frequency Range	2000~4000MHz
Nominal Coupling	50±1dB
Coupling Flatness	±0.8dB max
Insertion Loss	0.4dB max
Primary Line VSWR	1.3:1 max
Coupled Line VSWR	1.5:1 max
Directivity	15dB
Impedance	50 Ohms
Primary Line Power	500W

► Mechanical Data

Input/Output Connectors	7/16 DIN(L29)-Female
Coupled Connector	SMA-Female
Body Material	Aluminum
Surface Finish	Conductive Oxide
Dimensions	60×34×33mm

► 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 24/03/25			TITLE: Single Directional Coupler, 2~4GHz Coupling 50dB, 500W 7/16 DIN(L29)-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 24/03/25									
APPROVED: C. Chen 24/03/25				PART No.: TMDC-02000400-50DS500	DIMENSIONS IN MILLIMETERS(mm)	SIZE: A4	SCALE:	SHEET: 1/1	REV: A
TOLERANCE UNLESS OTHERWISE SPECIFIED									
x	±0.50	[0.019"]							
.x	±0.20	[0.008"]							
.xx	±0.10	[0.004"]							
ANGLES	±1°								