

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

TECHNICAL DATA

► Electrical Data

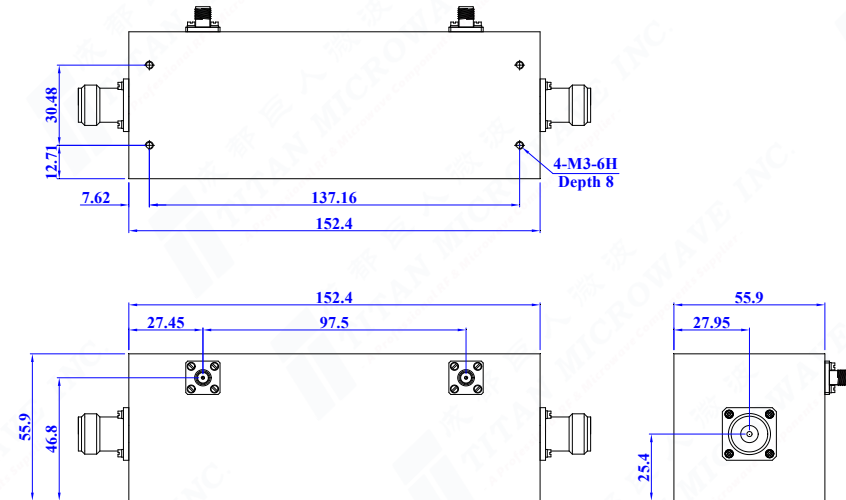
Frequency Range	2~100MHz
Coupling	50±1.0dB
Coupling Flatness	±0.5dB max
Insertion Loss	0.3dB max
Primary Line VSWR	1.2:1 max
Directivity	16dB min
Impedance	50 Ohms
Primary Line Power	500W(CW)

► Mechanical Data

Primary Line Connectors	N-Female
Coupled Connectors	SMA-Female
Housing Material	Aluminum
Surface Finish	Conductive Oxidation
Dimensions	152.4×55.9×55.9mm

► 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			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				
TOLERANCE UNLESS OTHERWISE SPECIFIED				
x ±0.50 [0.019"]			DIMENSIONS IN MILLIMETERS(mm) SIZE: A4 SCALE: SHEET: 1/1 REV: A	
.x ±0.20 [0.008"]				
.xx ±0.10 [0.004"]				
ANGLES ±1°				
TITLE: Dual Directional Coupler, 2~100MHz, 50dB, 500W, N-Female & SMA-Female				
PART No.: TDDC-2M100M-50NS500				

x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	