

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

TECHNICAL DATA

► Electrical Data

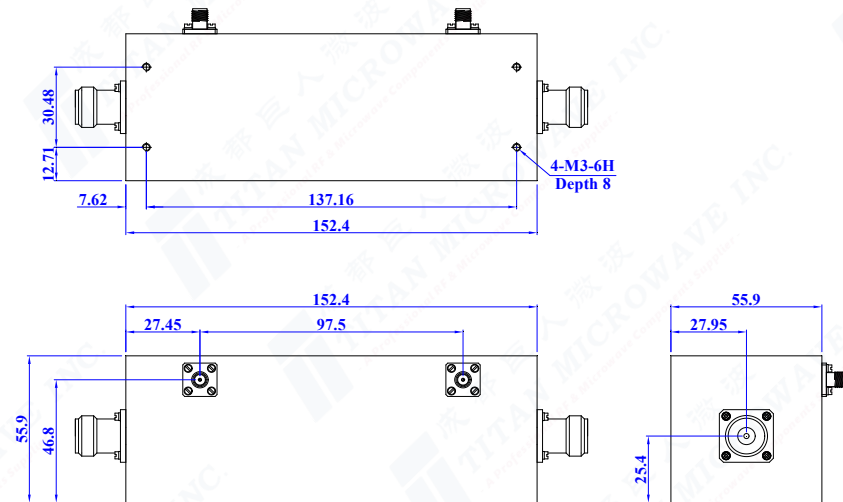
Frequency Range	1~530MHz
Coupling	50±1.0dB
Coupling Flatness	±1.0dB max
Insertion Loss	0.3dB max
Primary Line VSWR	1.3:1 max
Directivity	20dB min@1-500MHz, 15dB min@500-530MHz
Impedance	50 Ohms
Primary Line Power	1000W(CW)

► 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			TITLE: Dual Directional Coupler, 1~530MHz, 50dB, 1000W, N-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 30/04/25										
APPROVED: C. Chen 30/04/25										
TOLERANCE UNLESS OTHERWISE SPECIFIED			PART No.: TDDC-1M530M-50NS1KW		DIMENSIONS IN MILLIMETERS(mm)					
x	±0.50	[0.019"]								
.x	±0.20	[0.008"]								
.xx	±0.10	[0.004"]								
ANGLES	±1°									
			SIZE:		SCALE:		SHEET:		REV:	
			A4				1/1		A	