

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

TECHNICAL DATA

► Electrical Data

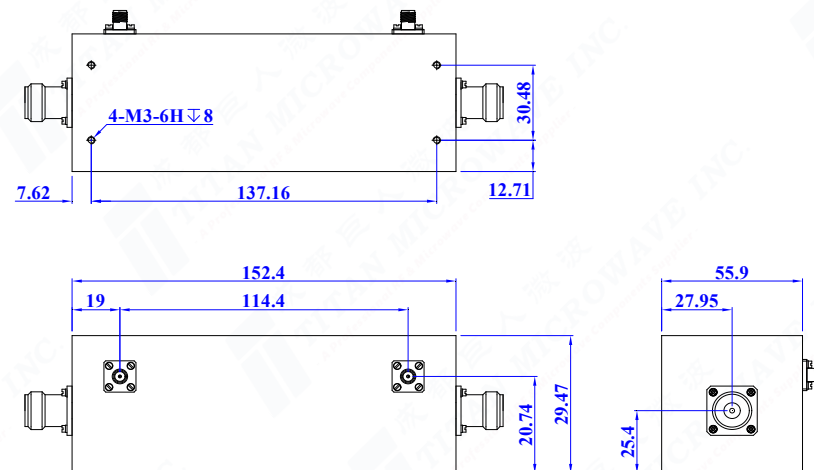
Frequency Range	9KHz~250MHz
Coupling	50±1.0dB
Coupling Flatness	±0.5dB max
Insertion Loss	0.25dB max
Primary Line VSWR	1.2:1 max
Coupled Line VSWR	1.3:1 max
Directivity	14dB min@9~20KHz, 18dB min@20KHz~250MHz
Impedance	50 Ohms
Primary Line Power	1000W(CW)

► 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, 9KHz~250MHz, 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				PART No.: TDDC-9K250M-50NS1KW	DIMENSIONS IN MILLIMETERS(mm) <table><tr><td>SIZE: A4</td><td>SCALE:</td><td>SHEET: 1/1</td><td>REV: A</td></tr></table>				SIZE: A4	SCALE:	SHEET: 1/1
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°										

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