

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

TECHNICAL DATA

► Electrical Data

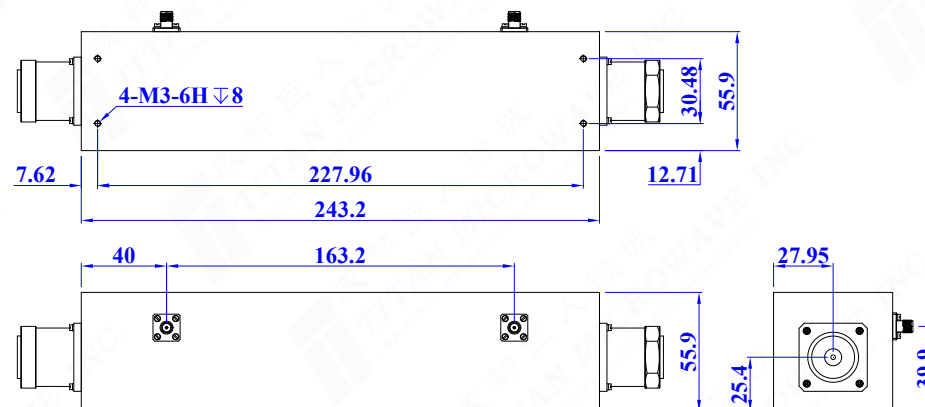
Frequency Range	10KHz~250MHz
Coupling	50±1.0dB
Coupling Flatness	±1.5dB max
Insertion Loss	0.3dB max
Primary Line VSWR	1.3:1 max
Coupled Line VSWR	1.3:1 max
Directivity	15dB min
Impedance	50 Ohms
Primary Line Power	3500W(CW)

► Mechanical Data

Primary Line Connectors	DIN 7/16(L29)-Male & Female
Coupled Connectors	SMA-Female
Housing Material	Aluminum
Surface Finish	Conductive Oxidation
Dimensions	243.2×55.9×55.9mm

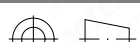
► Environmental Data

Operating Temperature	-10℃~+60℃
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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, 10KHz~250MHz, 50dB, 3500W, DIN 7/16(L29)-Male & 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						DIMENSIONS IN MILLIMETERS(mm)		
TOLERANCE UNLESS OTHERWISE SPECIFIED								
x	±0.50	[0.019"]	PART No.: TDDC-10K250M-50DS3.5KW	SIZE:	SCALE:	SHEET:	REV:	
.x	±0.20	[0.008"]		A4		1/1	A	
.xx	±0.10	[0.004"]						
ANGLES	±1°							