

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

TECHNICAL DATA

► Electrical Data

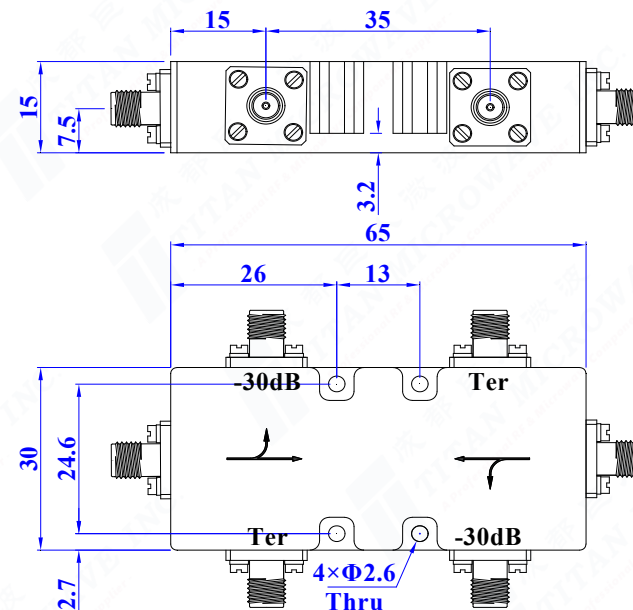
Frequency Range	2~18GHz
Coupling	30±1.0dB
Coupling Flatness	±1.2dB max
Insertion Loss	0.6dB max
Primary Line VSWR	1.5:1 max
Coupled Line VSWR	1.7:1 max
Directivity	12dB min@2~8GHz, 10dB min@8~18GHz
Impedance	50 Ohms
Primary Line Power	50W(CW)

► Mechanical Data

Primary Line Connectors	SMA-Female
Coupled Connectors	SMA-Female
Housing Material	Aluminum
Surface Finish	Conductive Oxidation
Dimensions	65×30×15mm

► 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, 2~18GHz, 30dB, 50W, 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-02001800-30S50	 DIMENSIONS IN MILLIMETERS(mm)			
x	±0.50	[0.019"]					
.x	±0.20	[0.008"]					
.xx	±0.10	[0.004"]					
ANGLES	±1°						
			SIZE: A4	SCALE:	SHEET: 1/1	REV: A	