

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/8/26	C. Chen

TECHNICAL DATA

► Electrical Data

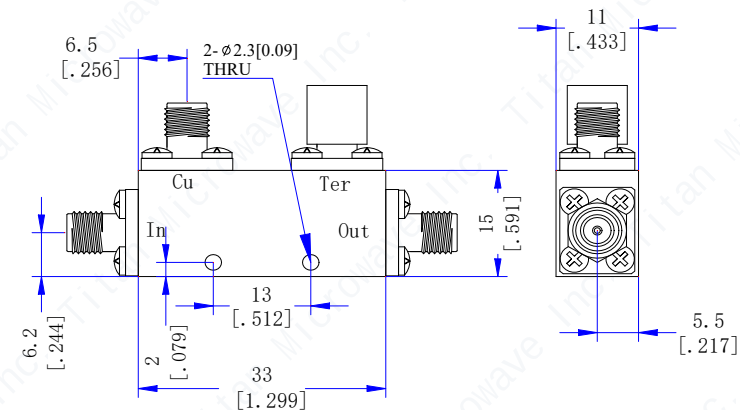
Frequency Range	4000~18000MHz
Nominal Coupling	30±1.0dB
Insertion Loss	0.5dB max
Main Line VSWR	1.18:1 typ, 1.45:1 max
Coupled Line VSWR	1.18:1 typ, 1.45:1 max
Directivity	12dB min
Frequency Sensitivity	±0.9dB typ, ±1.0dB max
Impedance	50 Ohms
Average Power	30W

► Mechanical Data

Input/Output Connectors	SMA-Female
Body Material	Aluminum
Surface Finish	Conductive Oxidation
Dimensions	33×15×11mm

► Environmental Data

Operating Temperature	-40℃~+75℃
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DRAWN: L. Ma 26/08/25			TITLE: Directional Coupler 4-18GHz, Coupling 30dB, 30W SMA-Female	成都巨人微波 TITAN MICROWAVE INC. - A Professional RF & Microwave Components Supplier - www.titan-microwave.com				
ENGINEER: J. Zhu 26/08/25				DIMENSIONS IN MILLIMETERS(mm)	SIZE: A4	SCALE:	SHEET: 1/1	REV: A
APPROVED: C. Chen 26/08/25								
TOLERANCE UNLESS OTHERWISE SPECIFIED								
x	±0.50	[0.019"]	PART No.: TMDC-04001800-30S30					
.x	±0.20	[0.008"]						
.xx	±0.10	[0.004"]						
ANGLES	±1°							

- Notes:
- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
 - CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY