

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/8/25	C. Chen

TECHNICAL DATA

► Electrical Data

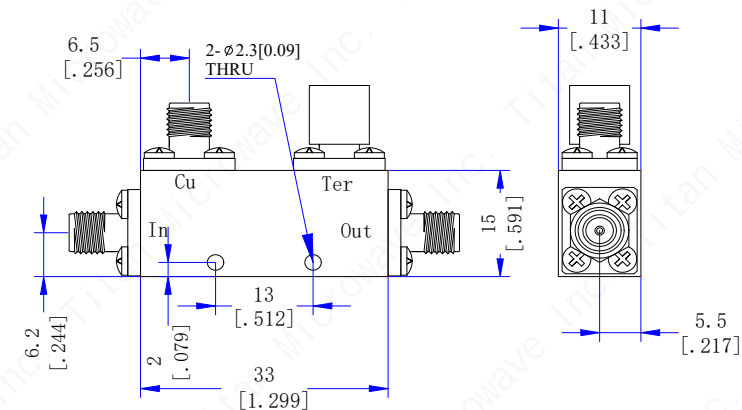
Frequency Range	6000~10000MHz
Nominal Coupling	30±1.0dB
Insertion Loss	0.5dB max
Main Line VSWR	1.18:1 typ, 1.3:1 max
Coupled Line VSWR	1.18:1 typ, 1.3:1 max
Directivity	16dB min
Frequency Sensitivity	±0.9dB typ, ±1.0dB max
Impedance	50 Ohms
Average Power	50W

► Mechanical Data

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

► Environmental Data

Operating Temperature	-40℃~+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 25/08/25	TITLE: Directional Coupler 6-10GHz, Coupling 30dB, 50W SMA-Female	 成都巨人微波 TITAN MICROWAVE INC. <i>- A Professional RF & Microwave Components Supplier -</i> www.titan-microwave.com			
ENGINEER: J. Zhu 25/08/25					
APPROVED: C. Chen 25/08/25					
TOLERANCE UNLESS OTHERWISE SPECIFIED					
x ±0.50 [0.019"]	PART No.: TMDC-06001000-30S50	 DIMENSIONS IN MILLIMETERS(mm)			
.x ±0.20 [0.008"]					
.xx ±0.10 [0.004"]					
ANGLES ±1°					
		SIZE: A4	SCALE:	SHEET: 1/1	REV: A