

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/12/21	C. Chen

TECHNICAL DATA

► Electrical Data

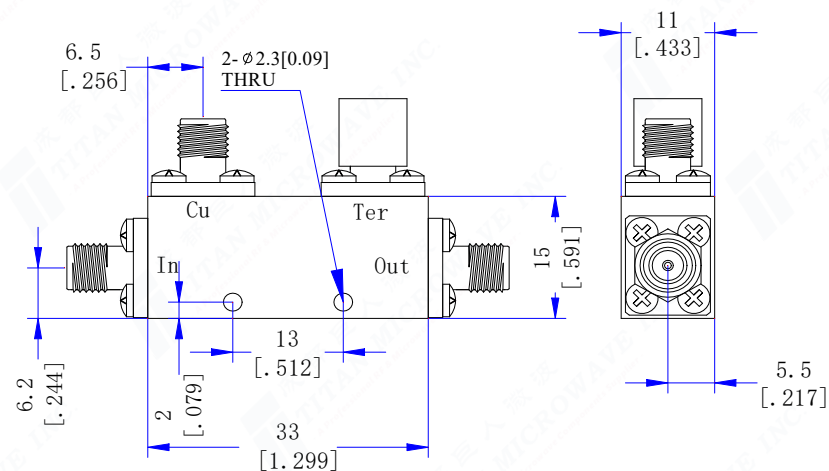
Frequency Range	12400-18000MHz
Nominal Coupling	10±1.0dB
Frequency Sensitivity	±0.9dB typ, ±1.0dB max
Insertion Loss	1.1dB max
VSWR(Primary Line)	1.18:1 typ, 1.35:1 max
VSWR(Coupled Line)	1.18:1 typ, 1.35:1 max
Directivity	14dB min
Impedance	50 Ohms
Average Power	50W

► Mechanical Data

Input/Output Connectors	SMA-Female
Dimensions	33×11×15mm
Surface Finishing	Natural Color Conductive Oxidation

► Environmental Data

Operating Temperature	-45℃~+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 21/12/22	TITLE: Single Directional Coupler, 12.4-18GHz, Coupling 10dB, 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 21/12/22		PART No.: TMDC-12401800-10S50A	  DIMENSIONS IN MILLIMETERS(mm)			
APPROVED: C. Chen 21/12/22			SIZE: SCALE: SHEET: REV:			
TOLERANCE UNLESS OTHERWISE SPECIFIED			A4 1/1 A			
x ±0.50 [0.019"] .x ±0.20 [0.008"] .xx ±0.10 [0.004"] ANGLES ±1°						