

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

TECHNICAL DATA

► Electrical Data

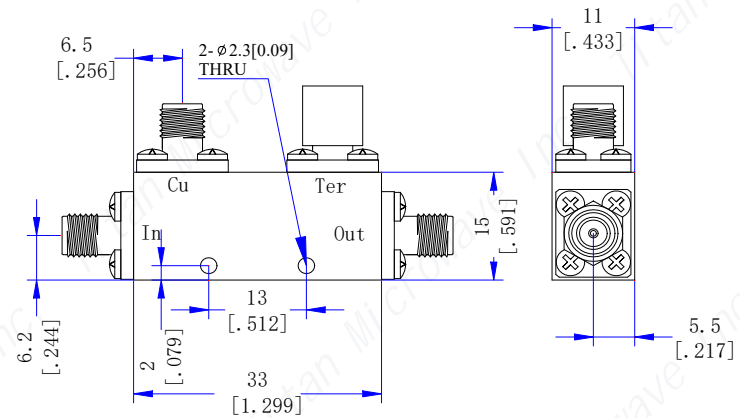
Frequency Range	8~18GHz
Nominal Coupling	10±1.0dB
Insertion Loss	1.0dB max
Main Line VSWR	1.18 typ, 1.5 max
Coupled Line VSWR	1.18 typ, 1.5 max
Directivity	20dB min
Frequency Sensitivity	±0.9dB typ, ±1.0dB max
Impedance	50 Ohms
Average Power	30W

► Mechanical Data

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

► Environmental Data

Operating Temperature	-45℃~+85℃
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DRAWN: L. Ma 21/12/22		
ENGINEER: J. Zhu 21/12/22		
APPROVED: C. Chen 21/12/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:
Directional Coupler
8-18GHz, Coupling 10dB,
30W, SMA-Female

PART No.:
TMDC-08001800-10S30

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DIMENSIONS IN MILLIMETERS(mm)

SIZE: A4	SCALE:	SHEET: 1/1	REV: A
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Notes:

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