

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/4/16	C. Chen

TECHNICAL DATA

► Electrical Data

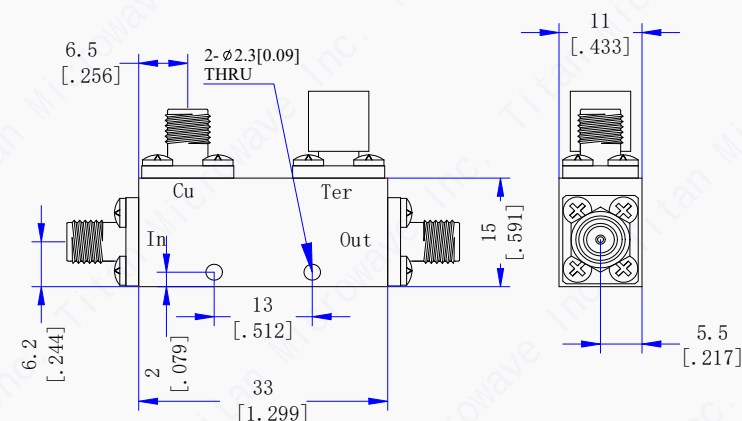
Frequency Range	8500~9500MHz
Insertion Loss	0.5dB max
VSWR Primary	1.3:1 max
VSWR Secondary	1.3:1 max
Directivity	15dB min
Nominal Coupling	20±1.0dB
Frequency Sensitivity	±0.9dB typ, ±1.0dB max
Average Power	50W
Impedance	50 Ohms

► Mechanical Data

Dimensions	33×11×15mm
Connector Type	SMA-Female
Surface Finish	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 16/04/22	
ENGINEER: J. Zhu 16/04/22	
APPROVED: C. Chen 16/04/22	
TOLERANCE UNLESS OTHERWISE SPECIFIED	
x	±0.50 [0.019"]
.x	±0.20 [0.008"]
.xx	±0.10 [0.004"]
ANGLES	±1°

TITLE:

Single Directional Coupler,
8.5~9.5GHz, 20dB, 50W,
SMA-Female

PART No.:

TMDC-08500950-20S50



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DIMENSIONS IN MILLIMETERS(mm)

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