

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

TECHNICAL DATA

► Electrical Data

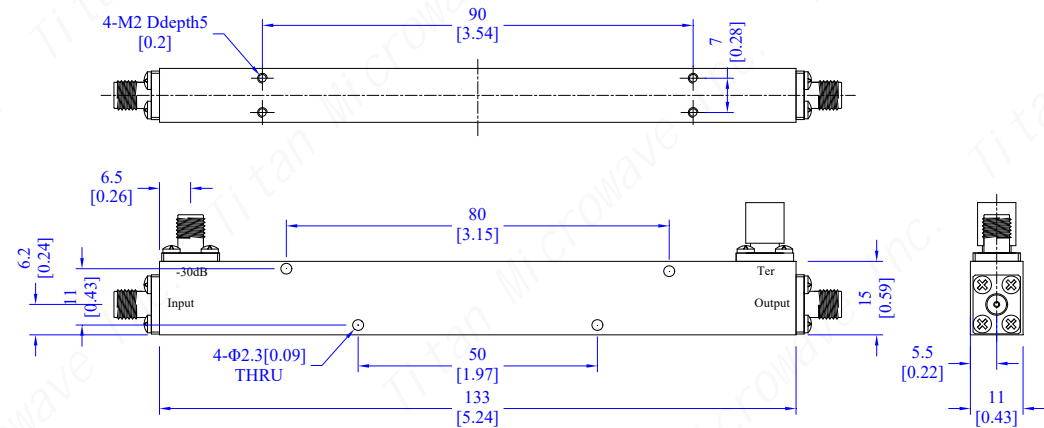
Frequency Range	0.5-2GHz
Nominal Coupling	30±1dB
Frequency Sensitivity	±0.5dB typ, ±0.7dB max
Directivity	20dB min, 22dB typ
Insertion Loss(Ex. coupling)	0.3dB max
Insertion Loss(true)	0.15dB typ, 0.25dB max@0.5-1GHz 0.2dB typ, 0.3dB max@1-2GHz
VSWR Primary	1.15:1 typ, 1.2:1 max
VSWR Secondary	1.15:1 typ, 1.2:1 max
Power Rating	50W
Peak Power	500W(10% Duty Cycle, 1us Pulse Width)

► Mechanical Data

Input/Output Connectors	SMA-Female
Material	Aluminum
Surface Treatment	Gray Painted
Dimensions	133×15×11mm

► Environmental Data

Operating Temperature	-40℃~+85℃
Storage Temperature	-50℃~+105℃



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, 0.5-2GHz, 30dB Coupling, 50W, SMA-Female



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DIMENSIONS IN MILLIMETERS(mm)

PART No.:
TMDC-00500200-30S50

SIZE:
A4

SCALE:

SHEET:
1/1

REV:
A

Notes:

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