

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

TECHNICAL DATA

► Electrical Data

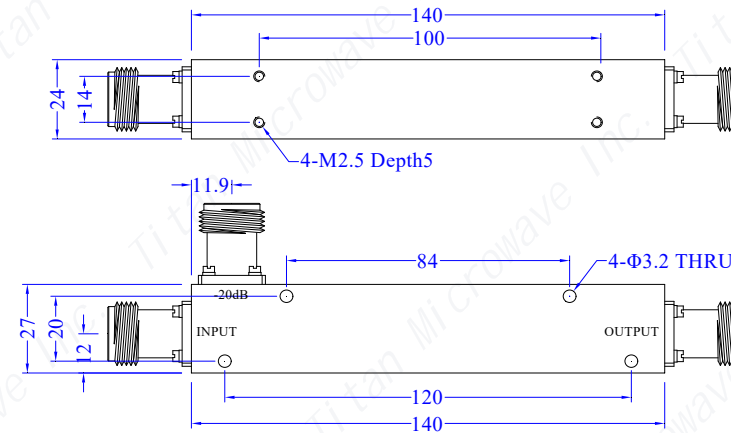
Frequency Range	500~3000MHz
Nominal Coupling	20±1.0dB max
Insertion Loss	0.4dB typ, 0.6dB max
Main Line VSWR	1.15 typ, 1.3 max
Coupled Line VSWR	1.15 typ, 1.3 max
Directivity	13dB min, 17dB typ
Impedance	50 Ohms
Average Power	100W

► Mechanical Data

Input/Output Connectors	N-Female
Housing Material	Aluminum 6061
Surface Finish	Conductive Oxidation
Dimensions	140×24×27mm

► Environmental Data

Operating Temperature	-40℃~+85℃(design assurance)
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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,
0.5-3GHz, Coupling 20dB,
100W, N-Female



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DIMENSIONS IN MILLIMETERS(mm)

PART No.:
TMDC-00500300-20N100

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