

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

## TECHNICAL DATA

### ► Electrical Data

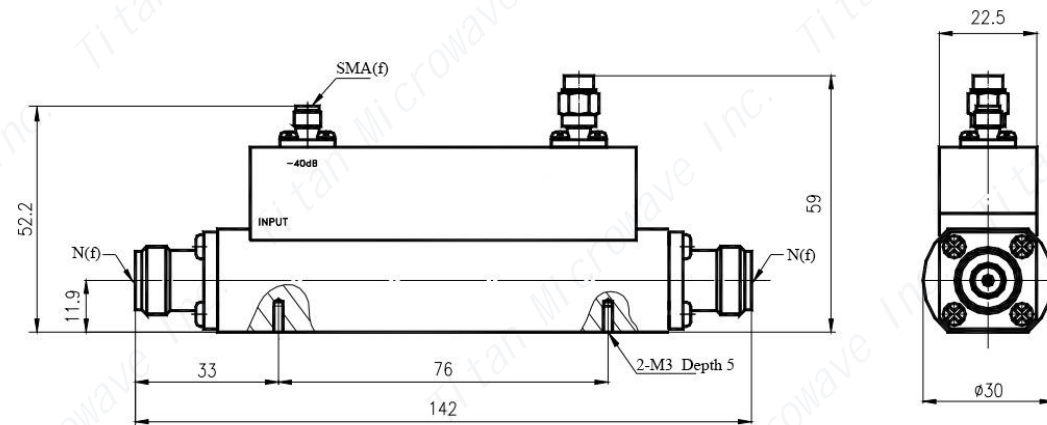
Frequency Range	2000~18000MHz
Nominal Coupling	40±1.5dB max
Insertion Loss	0.5dB max
Main Line VSWR	1.4 max
Coupled Line VSWR	1.6 max
Directivity	12dB min@2~12GHz 10dB min@2~18GHz
Impedance	50 Ohms
Average Power	400W
Peak Power	3kW max

### ► Mechanical Data

Input/Output Connectors	N-Female
Coupled Port	SMA-Female
Housing Material	Aluminum 6061
Surface Finish	Black/Blue/Gray Paint
Dimensions	142×30×59mm

### ► Environmental Data

Operating Temperature	-40℃~+70℃
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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,  
2-18GHz, Coupling 40dB,  
400W, N/SMA-Female

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DIMENSIONS IN MILLIMETERS(mm)

**PART No.:**

TMDC-02001800-40NS400

**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