

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

## TECHNICAL DATA

### ► Electrical Data

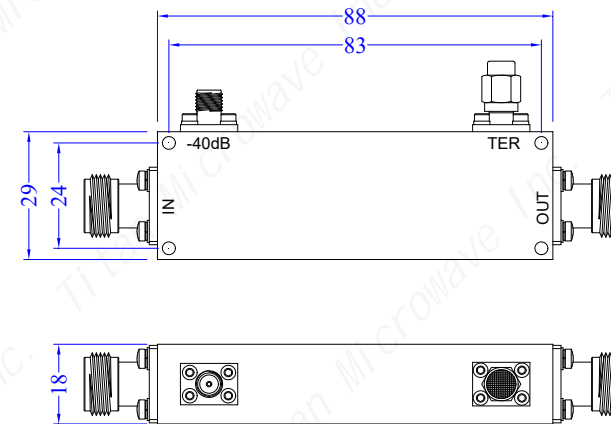
Frequency Range	1000~6000MHz
Nominal Coupling	40±1.0dB max
Insertion Loss	0.5dB max
Main Line VSWR	1.3 max
Coupled Line VSWR	1.3 max
Directivity	15dB min
Impedance	50 Ohms
Average Power	500W(design assurance)

### ► Mechanical Data

Input/Output Connectors	N-Female
Coupled Connector	SMA-Female
Connectors Material	Stainless Steel
Housing Material	Aluminum 6061
Surface Finish	Conductive Oxidation
Dimensions	88×29×18mm

### ► Environmental Data

Operating Temperature	-40℃~+70℃(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,  
1-6GHz, Coupling 40dB,  
500W, N/SMA-Female



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DIMENSIONS IN MILLIMETERS(mm)

**PART No.:**

**TMDC-01000600-40NS500**

**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