

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

## TECHNICAL DATA

### Electrical Data

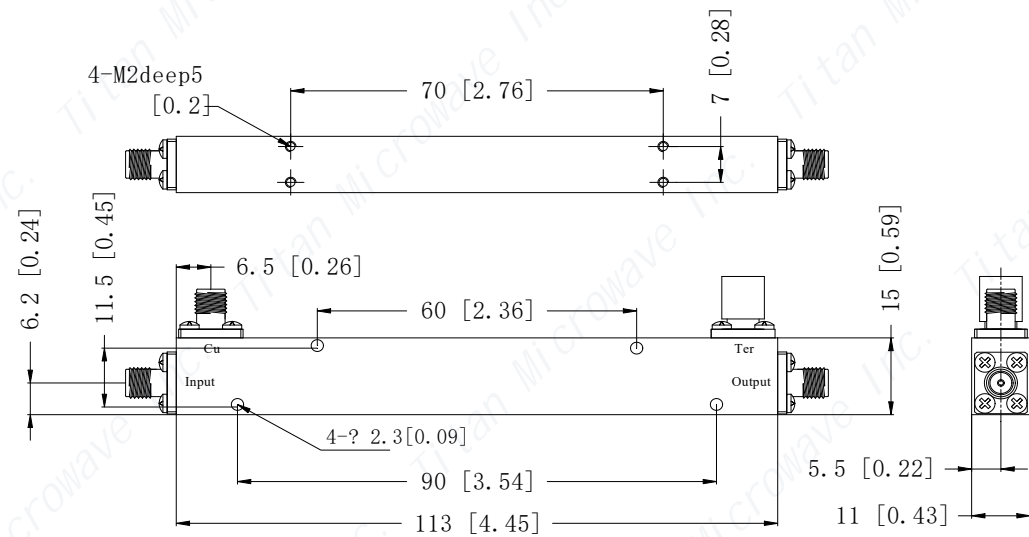
Frequency Range	1000~10000MHz
Nominal Coupling	10±1.0dB
Insertion Loss	1.0dB max
Main Line VSWR	1.35:1 max
Coupled Line VSWR	1.35:1 max
Directivity	18dB min
Frequency Sensitivity	±0.9dB typ, ±1.0dB max
Impedance	50 Ohms
Average Power	30W

### Mechanical Data

Input/Output Connectors	SMA-Female
Body Material	Aluminum
Surface Finish	Black Paint
Dimensions	113×15×11mm

### 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 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  
1-10GHz, Coupling 10dB,  
30W  
SMA-Female

**PART No.:**  
TMDC-01001000-10S30



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DIMENSIONS IN MILLIMETERS(mm)

<b>SIZE:</b> A4	<b>SCALE:</b>	<b>SHEET:</b> 1/1	<b>REV:</b> A
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