

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

## TECHNICAL DATA

### ► Electrical Data

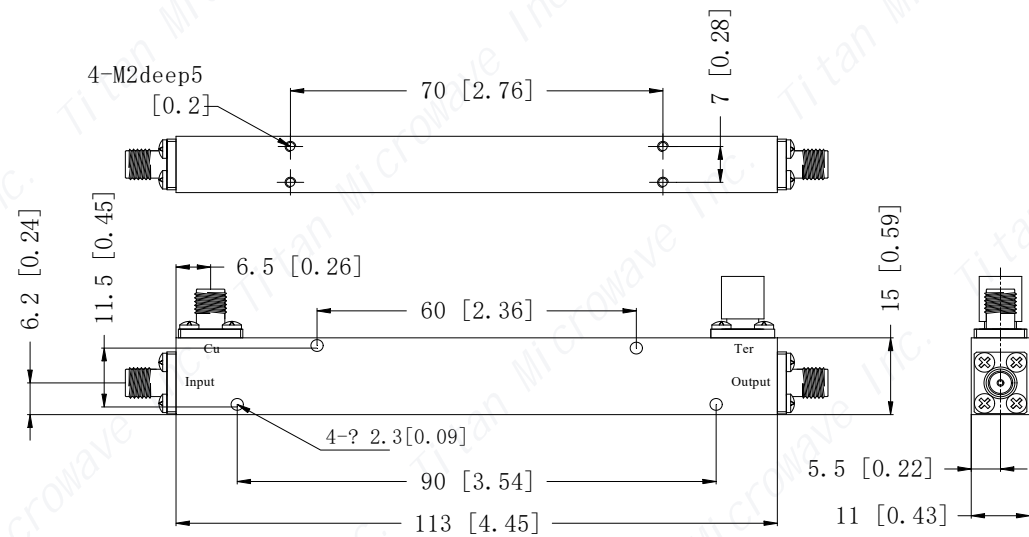
Frequency Range	1000~12000MHz
Nominal Coupling	20±1.0dB
Insertion Loss	0.9dB max
Main Line VSWR	1.3:1 max
Coupled Line VSWR	1.3:1 max
Directivity	18dB min
Frequency Sensitivity	±0.9dB typ, ±1.0dB max
Impedance	50 Ohms
Average Power	30W

### ► Mechanical Data

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

### ► Environmental Data

Operating Temperature	-45°C~+85°C
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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  
1-12GHz,  
Coupling 20dB, 30W  
SMA-Female

#### PART No.:

TMDC-01001200-20S30



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DIMENSIONS IN MILLIMETERS(mm)

SIZE:  
A4

SCALE:

SHEET:  
1/1

REV:  
A