

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

## TECHNICAL DATA

### ► Electrical Data

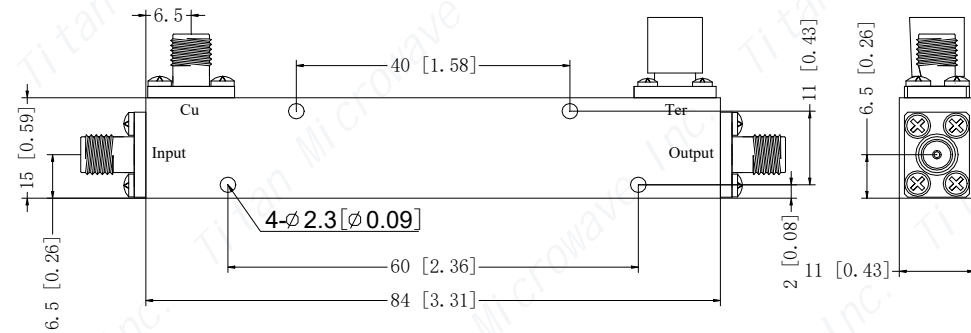
Frequency Range	1~40GHz
Nominal Coupling	13±1.0dB
Insertion Loss(excluding coupling loss)	1.9dB max
Main Line VSWR	1.5 typ, 1.7 max
Coupled Line VSWR	1.5 typ, 1.7 max
Directivity	10dB min
Frequency Sensitivity	±1.0dB
Impedance	50 Ohms
Average Power	20W

### ► Mechanical Data

Input/Output Connectors	2.92mm-Female
Connectors Material	Stainless Steel
Body Material	Aluminum
Surface Finish	Black Painted
Dimensions	84×15×11mm

### ► 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  
1-40GHz, Coupling 13dB,  
20W  
2.92mm-Female

#### PART No.:

TMDC-01004000-13K20



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DIMENSIONS IN MILLIMETERS(mm)

SIZE:  
A4

SCALE:

SHEET:  
1/1

REV:  
A