

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

TECHNICAL DATA

► Electrical Data

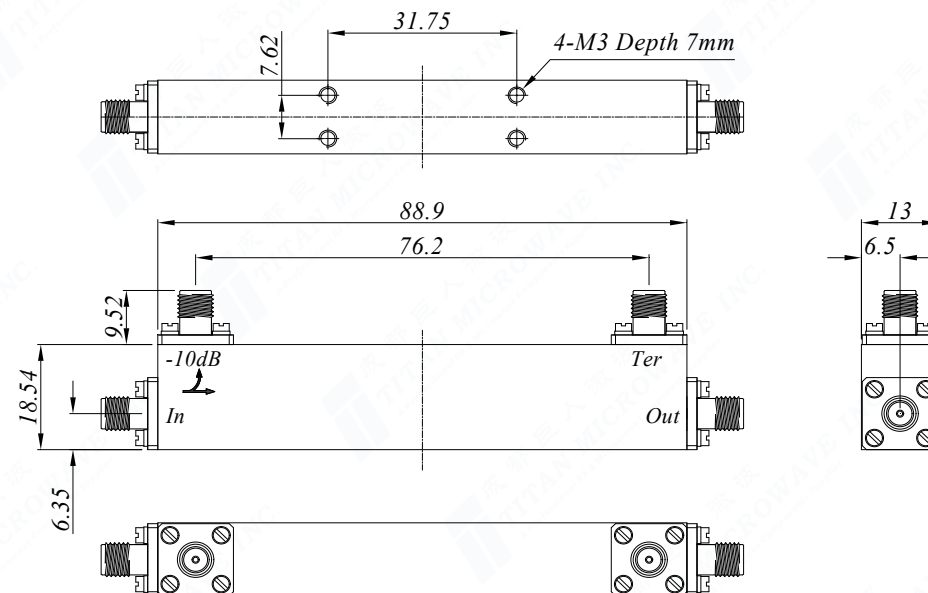
Frequency Range	1~22GHz
Coupling	10±1.1dB
Coupling Flatness	±1.2dB max
Insertion Loss	1.06dB max(excluding coupling loss)
	1.5dB max(true)
Primary Line VSWR	1.45:1 max
Coupled Line VSWR	1.6:1 max
Directivity	15dB min@1-12GHz
	13dB min@12-20GHz
	11dB min@20-22GHz
Impedance	50 Ohms
Incident Power	50W(CW)
Reflected Power	2W(CW)
Peak Power	3kW

► Mechanical Data

Input/Output Connectors	2.92mm-Female
Body Material	Aluminum
Surface Finish	Conductive Oxide
Dimensions	88.9×18.54×13mm

► Environmental Data

Operating Temperature	-55℃~+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	TITLE: Directional Coupler 1-22GHz, Coupling 10dB, 50W 2.92mm-Female	 成都巨人微波 TITAN MICROWAVE INC. - A Professional RF & Microwave Components Supplier - www.titan-microwave.com		
ENGINEER: J. Zhu 21/12/22				
APPROVED: C. Chen 21/12/22				
TOLERANCE UNLESS OTHERWISE SPECIFIED				
x ±0.50 [0.019"]	PART No.: TMDC-01002200-10K50	 DIMENSIONS IN MILLIMETERS(mm)		
.x ±0.20 [0.008"]				
.xx ±0.10 [0.004"]		SIZE: A4	SCALE:	SHEET: 1/1
ANGLES ±1°				REV: A