

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2026/1/6	C. Chen

TECHNICAL DATA

► Electrical Data

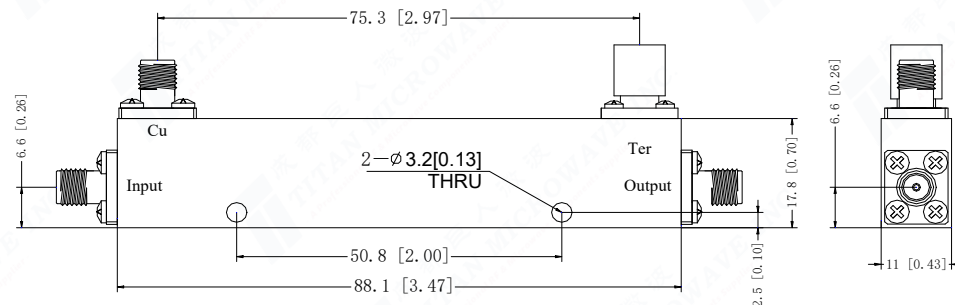
Frequency Range	1000~4000MHz
Nominal Coupling	30±1.0dB max
Insertion Loss	0.4dB max
Main Line VSWR	1.16:1 typ, 1.3:1 max
Coupled Line VSWR	1.15:1 typ, 1.3:1 max
Directivity	18dB min
Frequency Sensitivity	±1.0dB
Impedance	50 Ohms
Average Power	50W

► Mechanical Data

Input/Output Connectors	SMA-Female
Housing Material	Aluminum 6061
Surface Finish	Sandblasting Natural Color Conductive Oxide
Dimensions	88.1×17.8×11mm

► Environmental Data

Operating Temperature	-40℃~+70℃
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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 06/01/26			TITLE: Directional Coupler, 1-4GHz, Coupling 20dB, 50W, SMA-Female	成都巨人微波 TITAN MICROWAVE INC. - A Professional RF & Microwave Components Supplier - www.titan-microwave.com			
ENGINEER: J. Zhu 06/01/26							
APPROVED: C. Chen 06/01/26							
TOLERANCE UNLESS OTHERWISE SPECIFIED							
x	±0.50	[0.019"]	PART No.: TMDC-01000400-20S50	DIMENSIONS IN MILLIMETERS(mm)			
.x	±0.20	[0.008"]					
.xx	±0.10	[0.004"]					
ANGLES	±1°						
			SIZE: A4	SCALE:	SHEET: 1/1	REV: A	