

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/4/30	C. Chen

TECHNICAL DATA

► Electrical Data

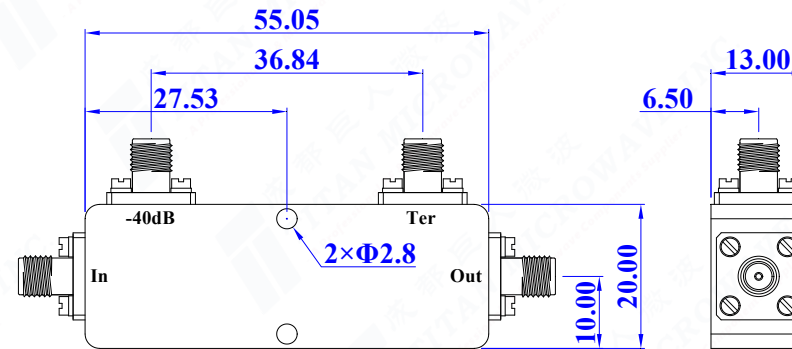
Frequency Range	2~8GHz
Coupling	40±1.0dB
Coupling Flatness	±0.6dB max
Insertion Loss	0.3dB max
Primary Line VSWR	1.4:1 max
Coupled Line VSWR	1.6:1 max
Directivity	12dB min
Impedance	50 Ohms
Primary Line Power	50W(CW)

► Mechanical Data

Primary Line Connectors	SMA-Female
Coupled Connectors	SMA-Female
Housing Material	Aluminum
Surface Finish	Conductive Oxidation
Dimensions	55.05×20×13mm



► 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 30/04/25	TITLE: Single Directional Coupler, 2~8GHz, 40dB, 50W, SMA-Female	 www.titan-microwave.com			
ENGINEER: J. Zhu 30/04/25					
APPROVED: C. Chen 30/04/25		 DIMENSIONS IN MILLIMETERS(mm)			
TOLERANCE UNLESS OTHERWISE SPECIFIED	PART No.: TMDC-02000800-40S50	SIZE: A4	SCALE:	SHEET: 1/1	REV: A
x ±0.50 [0.019"]					
.x ±0.20 [0.008"]					
.xx ±0.10 [0.004"]					
ANGLES ±1°					