

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

TECHNICAL DATA

► Electrical Data

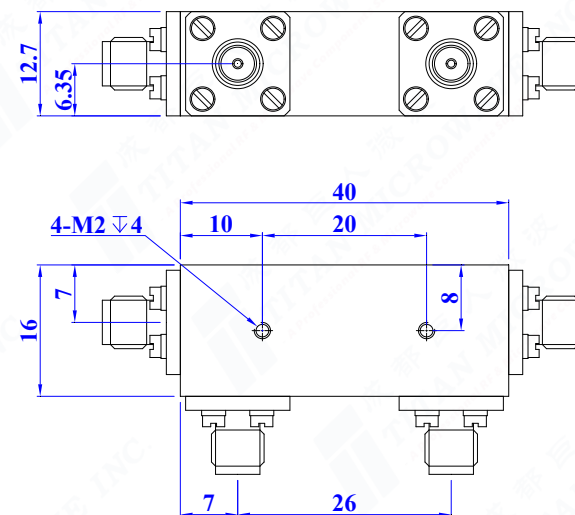
Frequency Range	18~40GHz
Coupling	20±1.0dB
Coupling Flatness	±0.7dB max
Insertion Loss	1.0dB max@18~26.5GHz, 1.5dB max@26.5~40GHz
Primary Line VSWR	1.5:1 max@18~26.5GHz, 1.6:1 max@26.5~40GHz
Coupled Line VSWR	1.5:1 max@18~26.5GHz, 1.6:1 max@26.5~40GHz
Directivity	12dB min
Impedance	50 Ohms
Average Power	20W(CW)

► Mechanical Data

Primary Line Connectors	2.92mm-Female
Coupled Connectors	2.92mm-Female
Housing Material	Aluminum
Surface Finish	Conductive Oxidation
Dimensions	40×16×12.7mm

► 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: Dual Directional Coupler, 18~40GHz, 20dB, 20W, 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 30/04/25				
APPROVED: C. Chen 30/04/25				
TOLERANCE UNLESS OTHERWISE SPECIFIED	PART No.: TDDC-18004000-20K20	 DIMENSIONS IN MILLIMETERS(mm)		
x ±0.50 [0.019"]		SIZE: A4	SCALE:	SHEET: 1/1
.x ±0.20 [0.008"]				REV: A
.xx ±0.10 [0.004"]				
ANGLES ±1°				