

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

TECHNICAL DATA

► Electrical Data

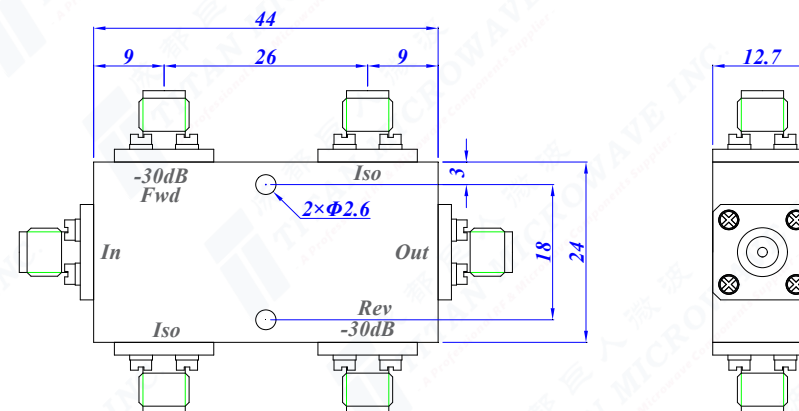
Frequency Range	18~40GHz
Coupling	30±1.0dB
Coupling Flatness	±1.2dB max
Insertion Loss	1.2dB max@18~26.5GHz
	1.5dB max@26.5~40GHz
Primary Line VSWR	1.6:1 max@18~26.5GHz
	1.7:1 max@26.5~40GHz
Coupled Line VSWR	1.2:1 max@18~26.5GHz
	1.5:1 max@26.5~40GHz
Directivity	10dB min
Impedance	50 Ohms
Average Power	20W(CW)

► Mechanical Data

Primary Line Connectors	2.92mm-Female
Coupled Connectors	2.92mm-Female
Housing Material	Aluminum
Surface Finish	Conductive Oxidation
Dimensions	44×24×12.7mm

► 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, 30dB, 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							
x	±0.50	[0.019"]	PART No.: TDDC-18004000-30K20	DIMENSIONS IN MILLIMETERS(mm)			
.x	±0.20	[0.008"]					
.xx	±0.10	[0.004"]					
ANGLES	±1°						
			SIZE:	SCALE:	SHEET:	REV:	
			A4		1/1	A	