

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2026/1/9	C. Chen

TECHNICAL DATA

► Electrical Data

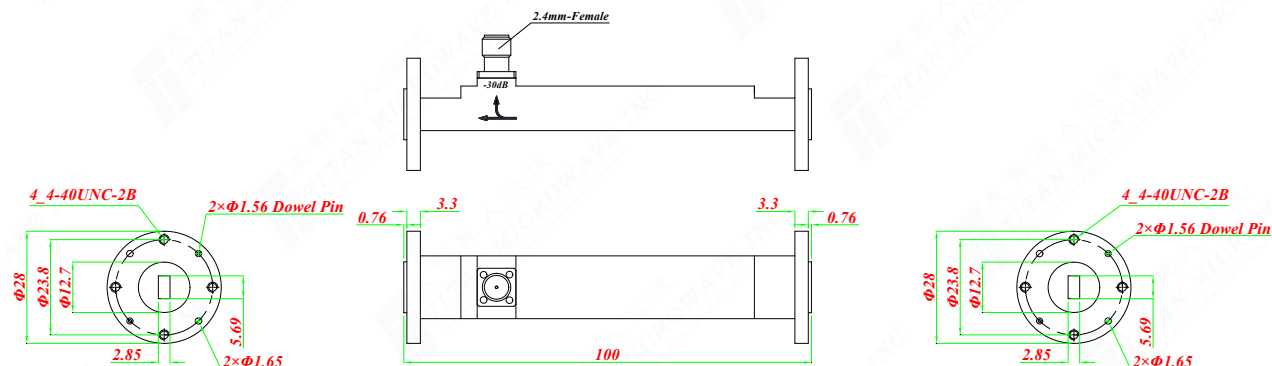
Frequency Range	37-42.5GHz
Nominal Coupling	30±1.0dB
Coupling Flatness	±0.5dB max
Insertion Loss	0.1dB max
VSWR(Primary Line)	1.15:1 max
VSWR(Secondary Line)	1.25:1 max
Power Handling	500W(CW)
Directivity	26dB min

► Mechanical Data

Waveguide Type	WR-22(BJ400)
Coupled Connectors	2.4mm-Female
Material	Aluminum
Surface Finishing	Silver Plating

► 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 09/01/26		
ENGINEER: J. Zhu 09/01/26		
APPROVED: C. Chen 09/01/26		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:
Waveguide Directional
Coupler, 37-42.5GHz, 30dB,
500W, WR-22,
2.4mm-Female

PART No.:
TWDC22D26-304

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DIMENSIONS IN MILLIMETERS(mm)

SIZE: A4	SCALE:	SHEET: 1/1	REV: A
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