

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2023/8/13	C. Chen

## TECHNICAL DATA

### Electrical Data

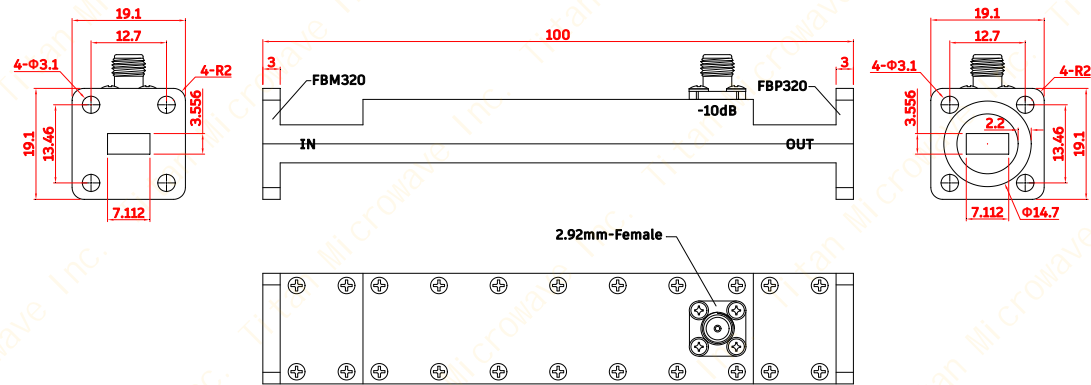
Frequency Range	26.3~40GHz
Nominal Coupling	10±1.5dB
Coupling Flatness	±0.4dB@27.5~30GHz
Insertion Loss	0.4dB max (excluding coupling loss 0.46dB)
Main Line VSWR	1.1:1 max
Coupled Line VSWR	1.4:1 max
Directivity	18dB min
Power Capacity	100W(design assurance)

### Mechanical Data

Waveguide Port	BJ320(WR-28)
Coupling Port	2.92mm-Female
Surface Finish	Silver Plated
Material	Aluminum
Dimensions	19.1×19.1×100mm

### Environmental Data

Operating Temperature	-55℃~+85℃
Storage Temperature	-55℃~+125℃



#### Notes:

- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
- CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY

DRAWN: L. Ma 13/8/23		
ENGINEER: J. Zhu 13/8/23		
APPROVED: C. Chen 13/8/23		
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, 26.3~40GHz,  
Coupling 10dB, 100W  
WR-28, 2.92mm-Female

#### PART No.:

TWDC28D18-10K



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DIMENSIONS IN MILLIMETERS(mm)

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