

| REV | DESCRIPTION OF REVISION | By     | DATE     | APPROVED |
|-----|-------------------------|--------|----------|----------|
| A   | INITIAL RELEASE         | C. Cai | 2026/1/7 | C. Chen  |

## TECHNICAL DATA

### ► Electrical Data

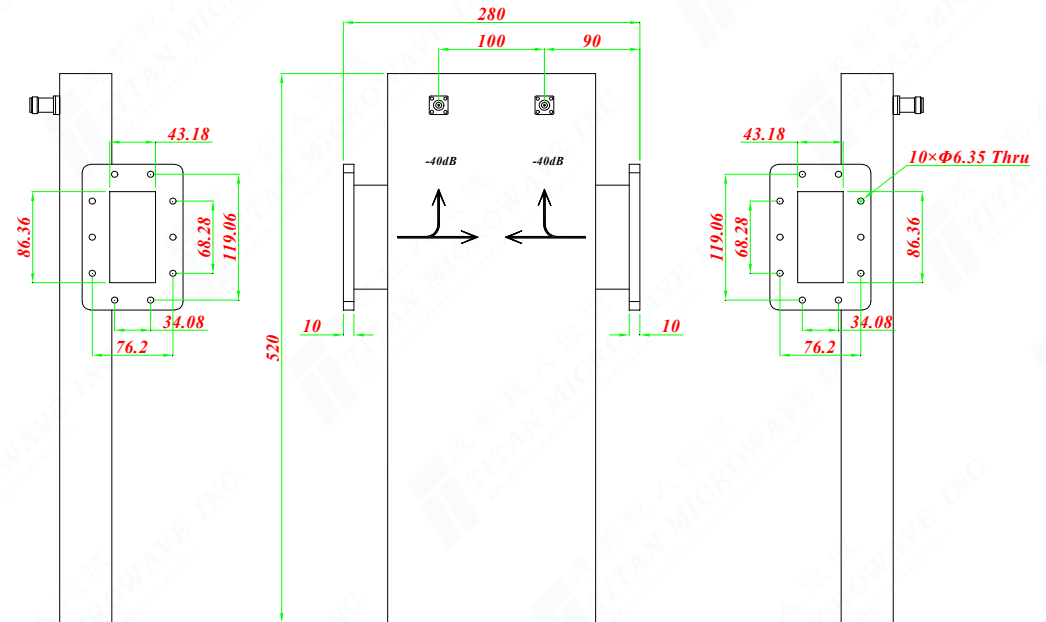
|                   |                                               |
|-------------------|-----------------------------------------------|
| Frequency Range   | 2.2-2.7GHz                                    |
| Forward Coupling  | 40±1.0dB                                      |
| Reverse Coupling  | 40±1.0dB                                      |
| Coupling Flatness | ≤±0.6dB                                       |
| VSWR              | ≤1.15:1 (Primary line), ≤1.3:1 (Coupled line) |
| Power Handling    | 1000W(CW)                                     |
| Directivity       | ≥20dB                                         |

### ► Mechanical Data

|                    |                                |
|--------------------|--------------------------------|
| Waveguide Type     | WR-340(BJ26)                   |
| Flange             | CPR340F                        |
| Coupled Connectors | N-Female                       |
| Material           | Aluminum                       |
| Surface Finishing  | Silver Plating                 |
| Surface Coating    | High Temperature Black Painted |

### ► Environmental Data

|                       |           |
|-----------------------|-----------|
| Operating Temperature | -20℃~+60℃ |
|-----------------------|-----------|



#### Notes:

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

|                                      |       |          |
|--------------------------------------|-------|----------|
| DRAWN: L. Ma 07/01/26                |       |          |
| ENGINEER: J. Zhu 07/01/26            |       |          |
| APPROVED: C. Chen 07/01/26           |       |          |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |       |          |
| x                                    | ±0.50 | [0.019"] |
| .x                                   | ±0.20 | [0.008"] |
| .xx                                  | ±0.10 | [0.004"] |
| ANGLES                               | ±1°   |          |

**TITLE:**  
Dual Arm Cross Guide  
Directional Coupler,  
2.2~2.7GHz, 40dB, 1000W,  
WR-340, N-Female

**PART No.:**  
TWGCD340C40C40NP1KW



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DIMENSIONS IN MILLIMETERS(mm)

|                    |               |                      |                  |
|--------------------|---------------|----------------------|------------------|
| <b>SIZE:</b><br>A4 | <b>SCALE:</b> | <b>SHEET:</b><br>1/1 | <b>REV:</b><br>A |
|--------------------|---------------|----------------------|------------------|