

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

## TECHNICAL DATA

### ► Electrical Data

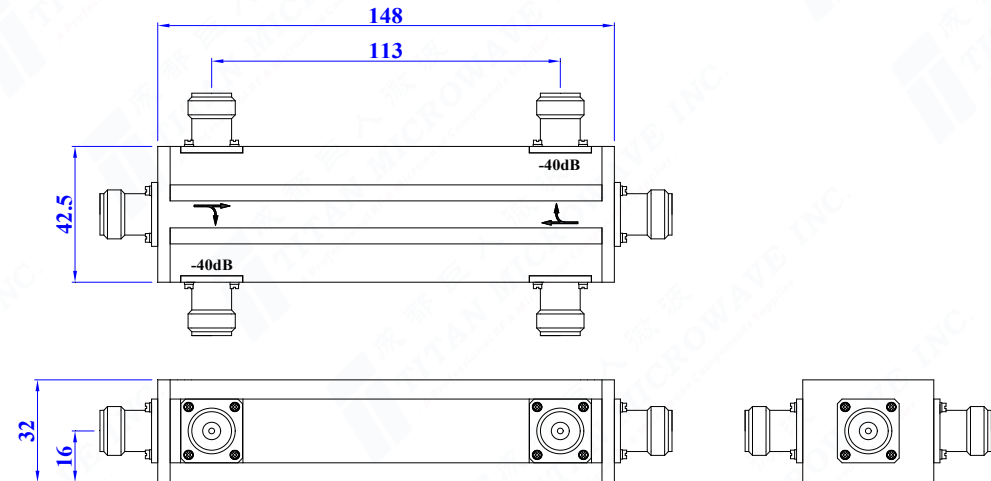
|                    |             |
|--------------------|-------------|
| Frequency Range    | 700~6000MHz |
| Coupling           | 40±1.0dB    |
| Coupling Flatness  | ±0.75dB max |
| Insertion Loss     | 0.3dB max   |
| Primary Line VSWR  | 1.2:1 max   |
| Coupled Line VSWR  | 1.4:1 max   |
| Directivity        | 16dB min    |
| Impedance          | 50 Ohms     |
| Primary Line Power | 300W(CW)    |

### ► Mechanical Data

|                         |                      |
|-------------------------|----------------------|
| Primary Line Connectors | N-Female             |
| Coupled Connectors      | N-Female             |
| Housing Material        | Aluminum             |
| Surface Finish          | Conductive Oxidation |
| Dimensions              | 148×42.5×32mm        |

### ► Environmental Data

|                       |           |
|-----------------------|-----------|
| Operating Temperature | -55℃~+85℃ |
|-----------------------|-----------|



#### 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:<br><br>Dual Directional Coupler,<br>700~6000MHz, 40dB, 300W,<br>N~Female | <div>成都巨人微波<br/><b>TITAN MICROWAVE INC.</b><br/><small>- A Professional RF &amp; Microwave Components Supplier -</small></div> |        |               |           |
| ENGINEER: J. Zhu 30/04/25            |                                                                                 |                                                                                                                                                                                                                     |        |               |           |
| APPROVED: C. Chen 30/04/25           |                                                                                 | www.titan-microwave.com                                                                                                                                                                                             |        |               |           |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |                                                                                 | <div>DIMENSIONS IN MILLIMETERS(mm)</div>                                                                                       |        |               |           |
| x ±0.50 [0.019"]                     | PART No.:<br><br>TDDC-00700600-40N300                                           | SIZE:<br>A4                                                                                                                                                                                                         | SCALE: | SHEET:<br>1/1 | REV:<br>A |
| .x ±0.20 [0.008"]                    |                                                                                 |                                                                                                                                                                                                                     |        |               |           |
| .xx ±0.10 [0.004"]                   |                                                                                 |                                                                                                                                                                                                                     |        |               |           |
| ANGLES ±1°                           |                                                                                 |                                                                                                                                                                                                                     |        |               |           |