

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

## TECHNICAL DATA

### ► Electrical Data

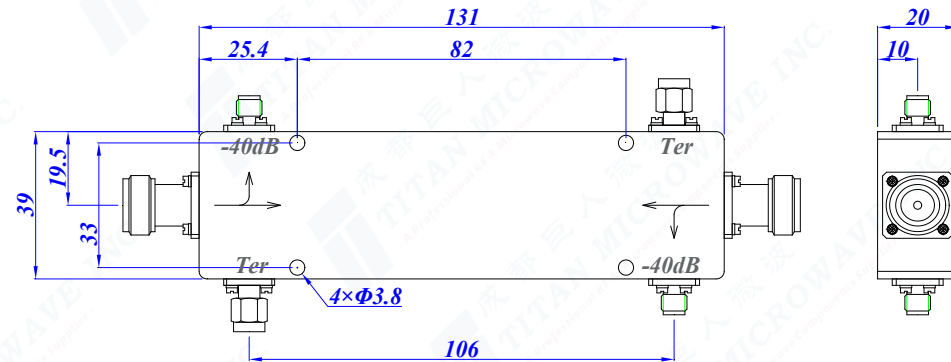
|                  |                 |
|------------------|-----------------|
| Frequency Range  | 500~6000MHz     |
| Coupling         | 40dB(39~41.5dB) |
| Coupling Balance | ±1.0dB max      |
| Insertion Loss   | 0.5dB max       |
| VSWR             | 1.25:1 max      |
| Directivity      | 10dB min        |
| Impedance        | 50 Ohms         |
| Power            | 250W            |

### ► Mechanical Data

|                         |                      |
|-------------------------|----------------------|
| Primary Line Connectors | N-Female             |
| Coupled Connectors      | SMA-Female           |
| Housing Material        | Aluminum             |
| Surface Finish          | Conductive Oxidation |
| Dimensions              | 131×39×20mm          |

### ► Environmental Data

|                       |           |
|-----------------------|-----------|
| Operating Temperature | -40℃~+85℃ |
| Storage 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                |
| ENGINEER: J. Zhu 30/04/25            |
| APPROVED: C. Chen 30/04/25           |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |
| x ±0.50 [0.019"]                     |
| .x ±0.20 [0.008"]                    |
| .xx ±0.10 [0.004"]                   |
| ANGLES ±1°                           |

**TITLE:**  
Dual Directional Coupler,  
500~6000MHz, 40dB, 250W,  
N-Female &  
SMA-Female

**PART No.:**  
TDDC-00500600-40NS250

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DIMENSIONS IN MILLIMETERS(mm)

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