

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

## TECHNICAL DATA

### ► Electrical Data

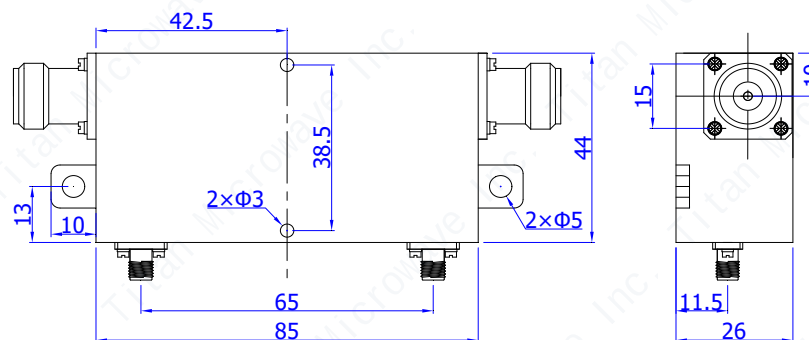
|                    |            |
|--------------------|------------|
| Frequency Range    | 300~700MHz |
| Coupling           | 50±1dB max |
| Insertion Loss     | 0.3dB max  |
| Primary Line VSWR  | 1.3:1 max  |
| Directivity        | 20dB min   |
| Impedance          | 50 Ohms    |
| Primary Line Power | 500W max   |

### ► Mechanical Data

|                         |                      |
|-------------------------|----------------------|
| Primary Line Connectors | N-Female             |
| Coupled Connectors      | SMA-Female           |
| Housing Material        | Aluminum             |
| Surface Finish          | Conductive Oxidation |
| Dimensions              | 85×44×26mm           |

### ► Environmental Data

|                       |           |
|-----------------------|-----------|
| Operating Temperature | -40℃~+70℃ |
|-----------------------|-----------|



#### 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,  
300~700MHz, 50dB, 500W,  
N~Female & SMA-Female

#### PART No.:

TDDC-00300070-50NS500



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DIMENSIONS IN MILLIMETERS(mm)

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