

| REV | DESCRIPTION OF REVISION | By     | DATE      | APPROVED |
|-----|-------------------------|--------|-----------|----------|
| A   | INITIAL RELEASE         | C. Cai | 2021/3/13 | C. Chen  |

## TECHNICAL DATA

### ► Electrical Data

|                   |            |
|-------------------|------------|
| Frequency Range   | 3.7~4.2GHz |
| Insertion Loss    | 0.55dB max |
| Isolation         | 19dB min   |
| VSWR              | 1.25:1 max |
| Impedance         | 50 Ohms    |
| Forward Power(CW) | 150W       |
| Reverse power     | 100W       |
| Rotation          | Clockwise  |

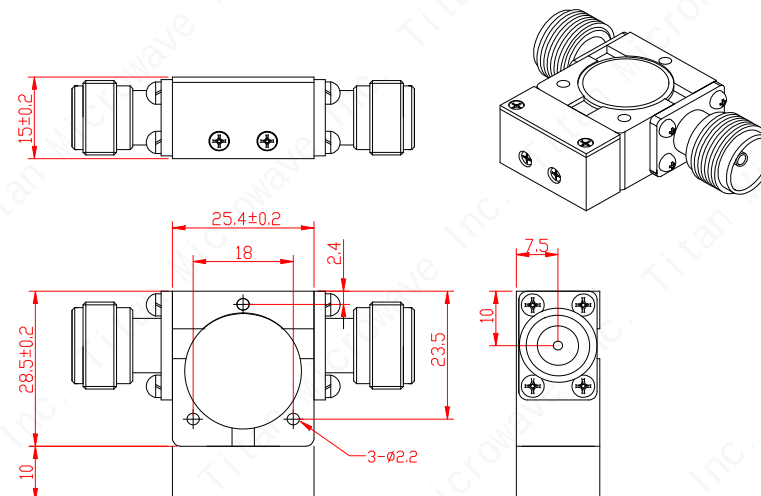
### ► Mechanical Data

|                         |                |
|-------------------------|----------------|
| Input/Output Connectors | N-Female       |
| Material                | Aluminum       |
| Surface Treatment       | Nicke Plated   |
| Dimensions              | 25.4×28.5×15mm |
| Weight                  | 100g           |

### ► Environmental Data

|                       |           |
|-----------------------|-----------|
| Operating Temperature | -30℃~+75℃ |
| Storage Temperature   | -50℃~+90℃ |

All the materials are RoHS Compliance



#### Notes:

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

|                                      |                                                              |                                                                                                                     |        |        |
|--------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------|--------|
| DRAWN: L. Ma 13/03/21                | TITLE:<br>Coaxial Isolator,<br>3.7~4.2GHz, 150W,<br>N-Female | <br>www.titan-microwave.com    |        |        |
| ENGINEER: J. Zhu 13/03/21            |                                                              |                                                                                                                     |        |        |
| APPROVED: C. Chen 13/03/21           |                                                              |  DIMENSIONS IN MILLIMETERS(mm) |        |        |
| TOLERANCE UNLESS OTHERWISE SPECIFIED | PART No.:                                                    | SIZE:                                                                                                               | SCALE: | SHEET: |
| x ±0.50 [0.019"]                     | TMCI-03700420-150N                                           | A4                                                                                                                  |        | 1/1    |
| .x ±0.20 [0.008"]                    |                                                              |                                                                                                                     |        | REV:   |
| .xx ±0.10 [0.004"]                   |                                                              |                                                                                                                     |        | A      |
| ANGLES ±1°                           |                                                              |                                                                                                                     |        |        |