

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

## TECHNICAL DATA

### ► Electrical Data

|                   |            |
|-------------------|------------|
| Frequency Range   | 1.8~2.2GHz |
| Insertion Loss    | 0.4dB max  |
| Isolation         | 20dB min   |
| VSWR              | 1.25:1 max |
| Impedance         | 50 Ohms    |
| Forward Power(CW) | 150W       |
| Reverse power     | 100W       |
| Rotation          | Clockwise  |

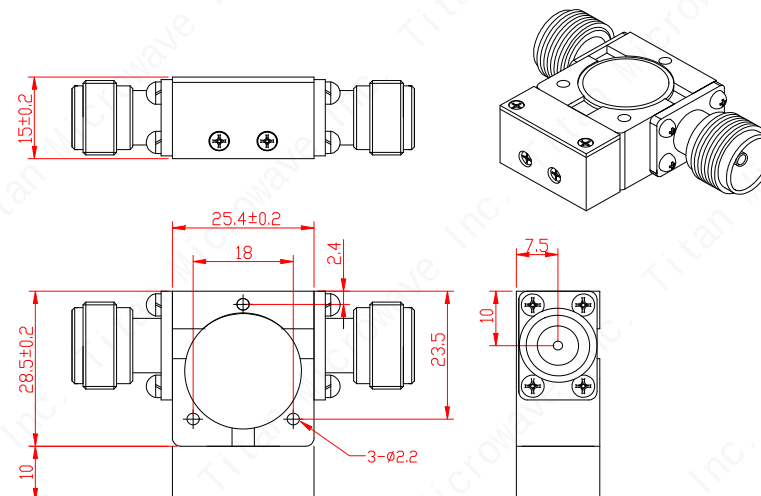
### ► Mechanical Data

|                         |                |
|-------------------------|----------------|
| 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                |       |          |
| ENGINEER: J. Zhu 13/03/21            |       |          |
| APPROVED: C. Chen 13/03/21           |       |          |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |       |          |
| x                                    | ±0.50 | [0.019"] |
| .x                                   | ±0.20 | [0.008"] |
| .xx                                  | ±0.10 | [0.004"] |
| ANGLES                               | ±1°   |          |

#### TITLE:

Coaxial Isolator,  
1.8~2.2GHz, 150W,  
N-Female

#### PART No.:

TMCI-01800220-150N



[www.titan-microwave.com](http://www.titan-microwave.com)



DIMENSIONS IN MILLIMETERS(mm)

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