

| REV | DESCRIPTION OF REVISION | By     | DATE      | APPROVED |
|-----|-------------------------|--------|-----------|----------|
| A   | INITIAL RELEASE         | C. Cai | 2023/9/16 | C. Chen  |

## TECHNICAL DATA

### ► Electrical Data

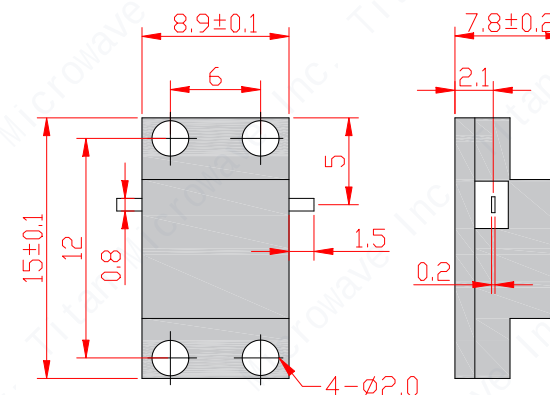
|                 |            |
|-----------------|------------|
| Frequency Range | 9~9.8GHz   |
| Insertion Loss  | 0.35dB max |
| VSWR            | 1.2:1 max  |
| Isolation       | 23dB min   |
| Forward Power   | 30W        |
| Reverse Power   | 10W        |
| Direction       | Clockwise  |
| Impedance       | 50 Ohms    |

### ► Mechanical Data

|                |               |
|----------------|---------------|
| Dimensions     | 8.9×15×7.8mm  |
| Connector Type | Stripline     |
| Material       | Aluminum      |
| Surface Finish | Nickel Plated |
| Weight         | 5g            |

### ► Environmental Data

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



#### Notes:

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

|                                      |                                                 |                                                                                                                     |        |        |
|--------------------------------------|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------|--------|
| DRAWN: L. Ma 16/09/23                | TITLE:<br><br>Drop-in Isolator<br>9-9.8GHz, 30W | <br>www.titan-microwave.com    |        |        |
| ENGINEER: J. Zhu 16/09/23            |                                                 |                                                                                                                     |        |        |
| APPROVED: C. Chen 16/09/23           |                                                 |  DIMENSIONS IN MILLIMETERS(mm) |        |        |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |                                                 |                                                                                                                     |        |        |
| x ±0.50 [0.019"]                     | PART No.:<br><br>TMDI-09000980-30               | SIZE:                                                                                                               | SCALE: | SHEET: |
| .x ±0.20 [0.008"]                    |                                                 | A4                                                                                                                  |        | 1/1    |
| .xx ±0.10 [0.004"]                   |                                                 |                                                                                                                     |        | REV:   |
| ANGLES ±1°                           |                                                 |                                                                                                                     |        | A      |