

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

## TECHNICAL DATA

### ► Electrical Data

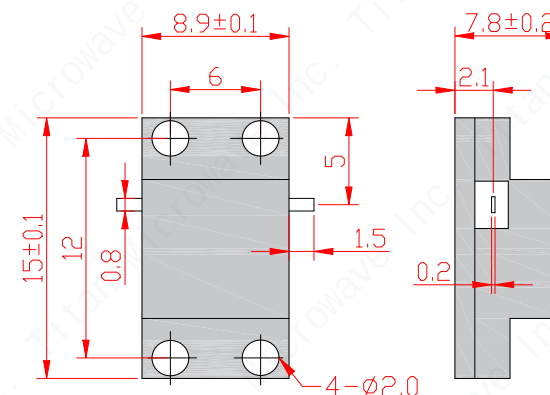
|                 |            |
|-----------------|------------|
| Frequency Range | 9~10GHz    |
| Insertion Loss  | 0.4dB max  |
| VSWR            | 1.25:1 max |
| Isolation       | 20dB min   |
| Forward Power   | 30W        |
| Reverse Power   | 10W        |
| Direction       | Clockwise  |
| Impedance       | 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>9-10GHz, 30W | <div> 成都巨人微波<br/>TITAN MICROWAVE INC.<br/>- A Professional RF &amp; Microwave Components Supplier -</div> |                                                                                                                                |           |  |
| ENGINEER: J. Zhu 16/09/23            |       |          |                                                | www.titan-microwave.com                                                                                                                                                                        |                                                                                                                                |           |  |
| APPROVED: C. Chen 16/09/23           |       |          |                                                |                                                                                                                                                                                                |                                                                                                                                |           |  |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |       |          |                                                | PART No.:<br><br>TMDI-09001000-30A                                                                                                                                                             | <div> DIMENSIONS IN MILLIMETERS(mm)</div> |           |  |
| x                                    | ±0.50 | [0.019"] |                                                |                                                                                                                                                                                                |                                                                                                                                |           |  |
| .x                                   | ±0.20 | [0.008"] |                                                |                                                                                                                                                                                                |                                                                                                                                |           |  |
| .xx                                  | ±0.10 | [0.004"] |                                                |                                                                                                                                                                                                |                                                                                                                                |           |  |
| ANGLES                               | ±1°   |          |                                                |                                                                                                                                                                                                |                                                                                                                                |           |  |
|                                      |       |          | SIZE:<br>A4                                    | SCALE:                                                                                                                                                                                         | SHEET:<br>1/1                                                                                                                  | REV:<br>A |  |