

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

## TECHNICAL DATA

### ► Electrical Data

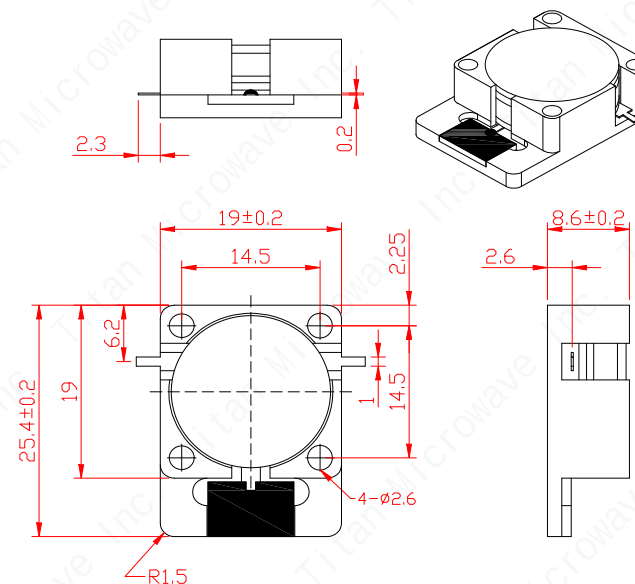
|                 |            |
|-----------------|------------|
| Frequency Range | 2.7~3.1GHz |
| Insertion Loss  | 0.4dB max  |
| VSWR            | 1.25:1 max |
| Isolation       | 20dB min   |
| Forward Power   | 100W       |
| Reverse Power   | 100W       |
| Direction       | Clockwise  |
| Impedance       | 50 Ohms    |

### ► Mechanical Data

|                |               |
|----------------|---------------|
| Dimensions     | 19×25.4×8.6mm |
| Connector Type | Stripline     |
| Material       | Aluminum      |
| Surface Finish | Nickel Plated |
| Weight         | 30g           |

### ► 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>2.7-3.1GHz,<br>100W | <div> 成都巨人微波<br/><b>TITAN MICROWAVE INC.</b><br/>- A Professional RF &amp; Microwave Components Supplier -</div> <div><a href="http://www.titan-microwave.com">www.titan-microwave.com</a></div> |                                                                                                                                |  |             |        |               |           |
| ENGINEER: J. Zhu 16/09/23            |       |          |                                                       |                                                                                                                                                                                                                                                                                       |                                                                                                                                |  |             |        |               |           |
| APPROVED: C. Chen 16/09/23           |       |          |                                                       | PART No.:<br><br>TMDI-02700310-100A                                                                                                                                                                                                                                                   | <div> DIMENSIONS IN MILLIMETERS(mm)</div> |  | SIZE:<br>A4 | SCALE: | SHEET:<br>1/1 | REV:<br>A |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |       |          |                                                       |                                                                                                                                                                                                                                                                                       |                                                                                                                                |  |             |        |               |           |
| x                                    | ±0.50 | [0.019"] |                                                       |                                                                                                                                                                                                                                                                                       |                                                                                                                                |  |             |        |               |           |
| .x                                   | ±0.20 | [0.008"] |                                                       |                                                                                                                                                                                                                                                                                       |                                                                                                                                |  |             |        |               |           |
| .xx                                  | ±0.10 | [0.004"] |                                                       |                                                                                                                                                                                                                                                                                       |                                                                                                                                |  |             |        |               |           |
| ANGLES                               | ±1°   |          |                                                       |                                                                                                                                                                                                                                                                                       |                                                                                                                                |  |             |        |               |           |