

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

## TECHNICAL DATA

### ► Electrical Data

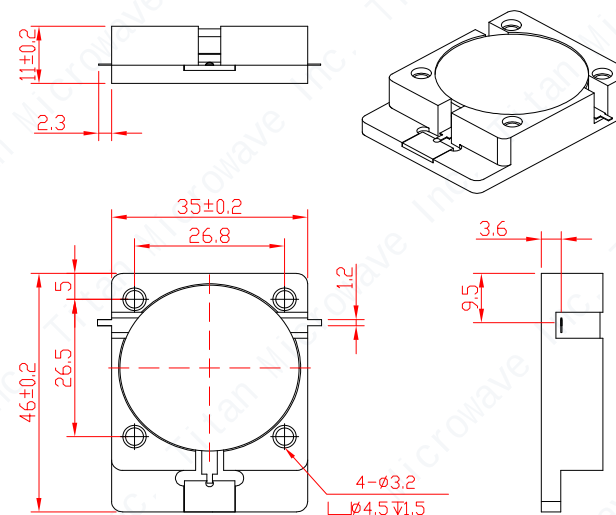
|                 |              |
|-----------------|--------------|
| Frequency Range | 1290~1310MHz |
| Insertion Loss  | 0.2dB max    |
| VSWR            | 1.15:1 max   |
| Isolation       | 25dB min     |
| Forward Power   | 300W         |
| Reverse Power   | 30dB100W     |
| Direction       | Clockwise    |
| Impedance       | 50 Ohms      |

### ► Mechanical Data

|                |               |
|----------------|---------------|
| Dimensions     | 35×46×11mm    |
| Connector Type | Stripline     |
| Material       | Aluminum      |
| Surface Finish | Nickel Plated |
| Weight         | 93g           |

### ► 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                | <div>TITLE:</div> <div>Drop-in Isolator<br/>1290-1310MHz,<br/>Clockwise<br/>300W</div> | <div><div><div><div><div></div><div></div></div><div>成都巨人微波</div></div><div><div>TITAN MICROWAVE INC.</div><div>A Professional RF &amp; Microwave Components Supplier</div></div></div><div><div>www.titan-microwave.com</div></div></div> |                                                                                                            |        |        |      |
| ENGINEER: J. Zhu 16/09/23            |                                                                                        | <div>PART No.:</div> <div>TMDI-01290131-300</div>                                                                                                                                                                                          | <div><div><div><div></div><div></div></div><div></div></div><div>DIMENSIONS IN MILLIMETERS(mm)</div></div> |        |        |      |
| APPROVED: C. Chen 16/09/23           |                                                                                        |                                                                                                                                                                                                                                            | SIZE:                                                                                                      | SCALE: | SHEET: | REV: |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |                                                                                        |                                                                                                                                                                                                                                            | A4                                                                                                         |        | 1/1    | A    |
| x ±0.50 [0.019"]                     |                                                                                        |                                                                                                                                                                                                                                            |                                                                                                            |        |        |      |
| .x ±0.20 [0.008"]                    |                                                                                        |                                                                                                                                                                                                                                            |                                                                                                            |        |        |      |
| .xx ±0.10 [0.004"]                   |                                                                                        |                                                                                                                                                                                                                                            |                                                                                                            |        |        |      |
| ANGLES ±1°                           |                                                                                        |                                                                                                                                                                                                                                            |                                                                                                            |        |        |      |