

| REV | DESCRIPTION OF REVISION | By     | DATE       | APPROVED |
|-----|-------------------------|--------|------------|----------|
| A   | INITIAL RELEASE         | C. Cai | 2025/11/13 | C. Chen  |

## TECHNICAL DATA

### ► Electrical Data

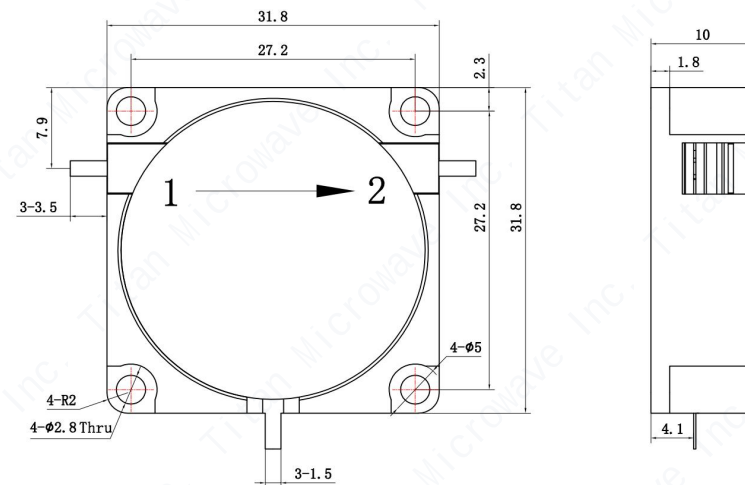
|                       |                                               |
|-----------------------|-----------------------------------------------|
| Frequency Range       | 1550~1620MHz                                  |
| Insertion Loss        | 0.25dB max@25°C±10°C<br>0.3dB max@-40°C~+85°C |
| Return Loss           | 22dB min@25°C±10°C<br>20dB min@-40°C~+85°C    |
| Isolation             | 22dB min@25°C±10°C<br>20dB min@-40°C~+85°C    |
| Average Forward Power | 600W                                          |
| Direction             | Clockwise                                     |
| Impedance             | 50 Ohms                                       |

### ► Mechanical Data

|                |                |
|----------------|----------------|
| Dimensions     | 31.8×31.8×10mm |
| Connector Type | Microstrip     |
| Material       | Aluminum       |

### ► Environmental Data

|                       |             |
|-----------------------|-------------|
| Operating Temperature | -40°C~+85°C |
|-----------------------|-------------|



#### Notes:

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

|                                      |       |          |                                                                                                                                            |  |                                                                                                                                                                                                                                                                           |  |  |  |
|--------------------------------------|-------|----------|--------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| DRAWN: L. Ma 13/11/25                |       |          | <div>TITLE:</div> <div>Drop-in Circulator<br/>1550~1620MHz,<br/>Clockwise<br/>600W</div> <div>PART No.:</div> <div>TMDC-01550162-600</div> |  | <div><div><div><div></div><div></div></div><div>成都巨人微波</div><div>TITAN MICROWAVE INC.</div><div>- A Professional RF &amp; Microwave Components Supplier -</div></div><div>www.titan-microwave.com</div></div>                                                             |  |  |  |
| ENGINEER: J. Zhu 13/11/25            |       |          |                                                                                                                                            |  |                                                                                                                                                                                                                                                                           |  |  |  |
| APPROVED: C. Chen 13/11/25           |       |          |                                                                                                                                            |  | <div><div><div><div></div><div></div></div><div></div><div>DIMENSIONS IN MILLIMETERS(mm)</div></div><div><div>SIZE:</div><div>A4</div></div><div><div>SCALE:</div><div></div></div><div><div>SHEET:</div><div>1/1</div></div><div><div>REV:</div><div>A</div></div></div> |  |  |  |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |       |          |                                                                                                                                            |  |                                                                                                                                                                                                                                                                           |  |  |  |
| x                                    | ±0.50 | [0.019"] |                                                                                                                                            |  |                                                                                                                                                                                                                                                                           |  |  |  |
| .x                                   | ±0.20 | [0.008"] |                                                                                                                                            |  |                                                                                                                                                                                                                                                                           |  |  |  |
| .xx                                  | ±0.10 | [0.004"] |                                                                                                                                            |  |                                                                                                                                                                                                                                                                           |  |  |  |
| ANGLES                               | ±1°   |          |                                                                                                                                            |  |                                                                                                                                                                                                                                                                           |  |  |  |