

| REV | DESCRIPTION OF REVISION | By     | DATE      | APPROVED |
|-----|-------------------------|--------|-----------|----------|
| A   | INITIAL RELEASE         | C. Cai | 2022/5/26 | C. Chen  |

## TECHNICAL DATA

### ► Electrical Data

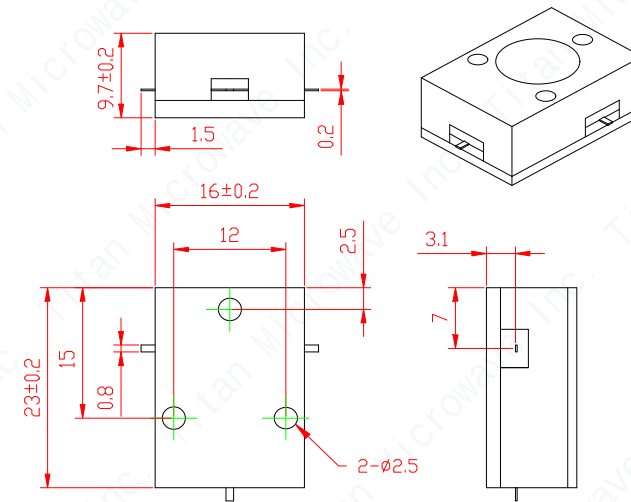
|                 |            |
|-----------------|------------|
| Frequency Range | 7.1~7.3GHz |
| Insertion Loss  | 0.3dB max  |
| VSWR            | 1.2:1 max  |
| Isolation       | 23dB min   |
| Forward Power   | 100W(CW)   |
| Direction       | Clockwise  |
| Impedance       | 50 Ohms    |

### ► Mechanical Data

|                |               |
|----------------|---------------|
| Dimensions     | 16×23×9.7mm   |
| Connector Type | Microstrip    |
| Material       | Aluminum      |
| Surface Finish | Nickel Plated |

### ► Environmental Data

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



#### Notes:

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

|                                      |       |          |
|--------------------------------------|-------|----------|
| DRAWN: L. Ma 26/05/22                |       |          |
| ENGINEER: J. Zhu 26/05/22            |       |          |
| APPROVED: C. Chen 26/05/22           |       |          |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |       |          |
| x                                    | ±0.50 | [0.019"] |
| .x                                   | ±0.20 | [0.008"] |
| .xx                                  | ±0.10 | [0.004"] |
| ANGLES                               | ±1°   |          |

|                                                                     |                                    |  |  |
|---------------------------------------------------------------------|------------------------------------|--|--|
| TITLE:<br><br>Drop-in Circulator,<br>7.1~7.3GHz,<br>100W, Clockwise | PART No.:<br><br>TMDC-07100730-100 |  |  |
|                                                                     |                                    |  |  |

|                                                                                                                                                                                                         |        |               |           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------|-----------|
|  成都巨人微波<br><b>TITAN MICROWAVE INC.</b><br><small>- A Professional RF &amp; Microwave Components Supplier -</small> |        |               |           |
| www.titan-microwave.com                                                                                                                                                                                 |        |               |           |
|  DIMENSIONS IN MILLIMETERS(mm)                                                                                     |        |               |           |
| SIZE:<br>A4                                                                                                                                                                                             | SCALE: | SHEET:<br>1/1 | REV:<br>A |