

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

## TECHNICAL DATA

### ► Electrical Data

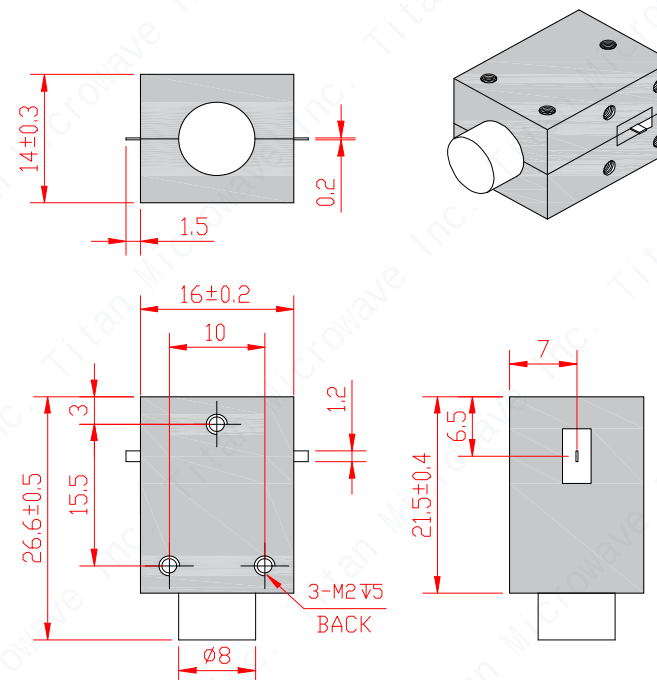
|                 |           |
|-----------------|-----------|
| Frequency Range | 6~18GHz   |
| Insertion Loss  | 1.5dB max |
| VSWR            | 1.9:1 max |
| Isolation       | 10dB min  |
| Forward Power   | 30W       |
| Reverse Power   | 10W       |
| Direction       | Clockwise |
| Impedance       | 50 Ohms   |

### ► Mechanical Data

|                |               |
|----------------|---------------|
| Dimensions     | 16×21.5×14mm  |
| Connector Type | Stripline     |
| Material       | Aluminum      |
| Surface Finish | Nickel Plated |
| Weight         | 22g           |

### ► Environmental Data

|                       |           |
|-----------------------|-----------|
| Operating Temperature | -10℃~+60℃ |
| 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>6-18GHz, 30W |  成都巨人微波<br><b>TITAN MICROWAVE INC.</b><br>- A Professional RF & Microwave Components Supplier - |        |        |      |
| ENGINEER: J. Zhu 16/09/23            |                                                |  DIMENSIONS IN MILLIMETERS(mm)                                                                  |        |        |      |
| APPROVED: C. Chen 16/09/23           |                                                |                                                                                                                                                                                      |        |        |      |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |                                                |                                                                                                                                                                                      |        |        |      |
| x ±0.50 [0.019"]                     | PART No.:<br><br>TMDI-06001800-30              | SIZE:                                                                                                                                                                                | SCALE: | SHEET: | REV: |
| .x ±0.20 [0.008"]                    |                                                | A4                                                                                                                                                                                   |        | 1/1    | A    |
| .xx ±0.10 [0.004"]                   |                                                |                                                                                                                                                                                      |        |        |      |
| ANGLES ±1°                           |                                                |                                                                                                                                                                                      |        |        |      |