

## TECHNICAL DATA

### ► Electrical Data

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

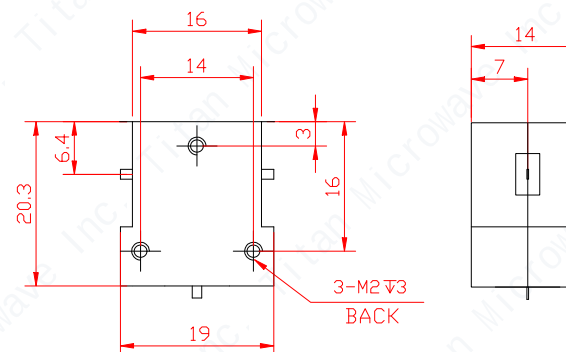
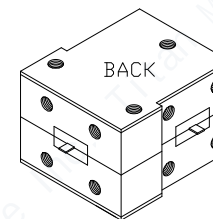
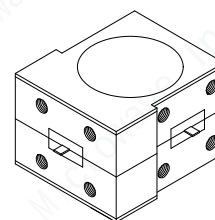
### ► Mechanical Data

|                |               |
|----------------|---------------|
| Dimensions     | 16×20.3×14mm  |
| Connector Type | Microstrip    |
| Material       | Aluminum      |
| Surface Finish | Nickel Plated |

### ► Environmental Data

|                       |           |
|-----------------------|-----------|
| Operating Temperature | -10℃~+60℃ |
| Storage Temperature   | -50℃~+90℃ |

| REV | DESCRIPTION OF REVISION | By     | DATE      | APPROVED |
|-----|-------------------------|--------|-----------|----------|
| A   | INITIAL RELEASE         | C. Cai | 2025/5/26 | C. Chen  |



#### Notes:

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

|                                      |       |          |
|--------------------------------------|-------|----------|
| DRAWN: L. Ma 26/05/25                |       |          |
| ENGINEER: J. Zhu 26/05/25            |       |          |
| APPROVED: C. Chen 26/05/25           |       |          |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |       |          |
| x                                    | ±0.50 | [0.019"] |
| .x                                   | ±0.20 | [0.008"] |
| .xx                                  | ±0.10 | [0.004"] |
| ANGLES                               | ±1°   |          |

#### TITLE:

Drop-in Circulator,  
6~18GHz,  
30W, Clockwise

#### PART No.:

TMDC-06001800-30



[www.titan-microwave.com](http://www.titan-microwave.com)



DIMENSIONS IN MILLIMETERS(mm)

|             |        |               |           |
|-------------|--------|---------------|-----------|
| SIZE:<br>A4 | SCALE: | SHEET:<br>1/1 | REV:<br>A |
|-------------|--------|---------------|-----------|