

| REV | DESCRIPTION OF REVISION | By     | DATE      | APPROVED |
|-----|-------------------------|--------|-----------|----------|
| A   | INITIAL RELEASE         | C. Cai | 2022/4/16 | C. Chen  |

## TECHNICAL DATA

### ► Electrical Data

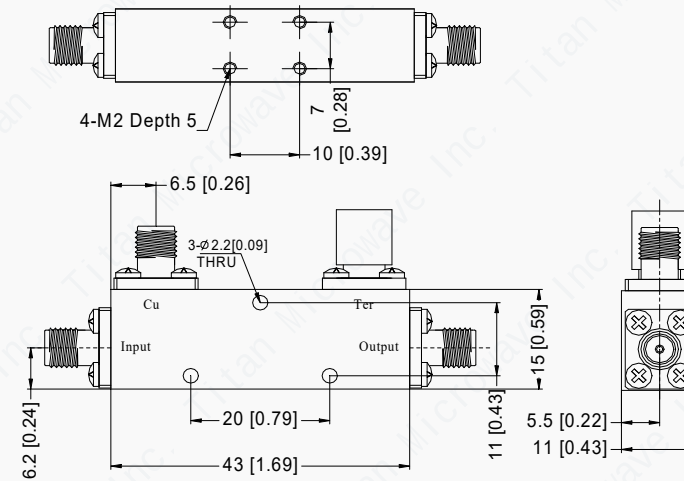
|                       |                        |
|-----------------------|------------------------|
| Frequency Range       | 2000~18000MHz          |
| Insertion Loss        | 0.6dB max              |
| VSWR Primary          | 1.4:1 max              |
| VSWR Secondary        | 1.4:1 max              |
| Directivity           | 12dB min               |
| Nominal Coupling      | 30±1.2dB               |
| Frequency Sensitivity | ±0.9dB typ, ±1.0dB max |
| Average Power         | 30W                    |
| Impedance             | 50 Ohms                |

### ► Mechanical Data

|                |                      |
|----------------|----------------------|
| Dimensions     | 43×11×15mm           |
| Connector Type | SMA-Female           |
| Surface Finish | Conductive Oxidation |

### ► Environmental Data

|                       |           |
|-----------------------|-----------|
| Operating Temperature | -45℃~+85℃ |
|-----------------------|-----------|



#### Notes:

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

|                                      |                                                                                |                                                                                                                                                                                                              |  |  |  |
|--------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| DRAWN: L. Ma 16/04/22                | TITLE:<br><br>Single Directional Coupler,<br>2~18GHz, 30dB, 30W,<br>SMA-Female | <div> 成都巨人微波<br/><b>TITAN MICROWAVE INC.</b><br/><i>- A Professional RF &amp; Microwave Components Supplier -</i></div> |  |  |  |
| ENGINEER: J. Zhu 16/04/22            |                                                                                | <a href="http://www.titan-microwave.com">www.titan-microwave.com</a>                                                                                                                                         |  |  |  |
| APPROVED: C. Chen 16/04/22           |                                                                                | <div> DIMENSIONS IN MILLIMETERS(mm)</div>                                                                               |  |  |  |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |                                                                                | <div>SIZE: A4SCALE: SHEET: 1/1REV: A</div>                                                                                                                                                                   |  |  |  |
| x ±0.50 [0.019"]                     | PART No.:<br><br>TMDC-02001800-30S30                                           |                                                                                                                                                                                                              |  |  |  |
| .x ±0.20 [0.008"]                    |                                                                                |                                                                                                                                                                                                              |  |  |  |
| .xx ±0.10 [0.004"]                   |                                                                                |                                                                                                                                                                                                              |  |  |  |
| ANGLES ±1°                           |                                                                                |                                                                                                                                                                                                              |  |  |  |