

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

## TECHNICAL DATA

### ► Electrical Data

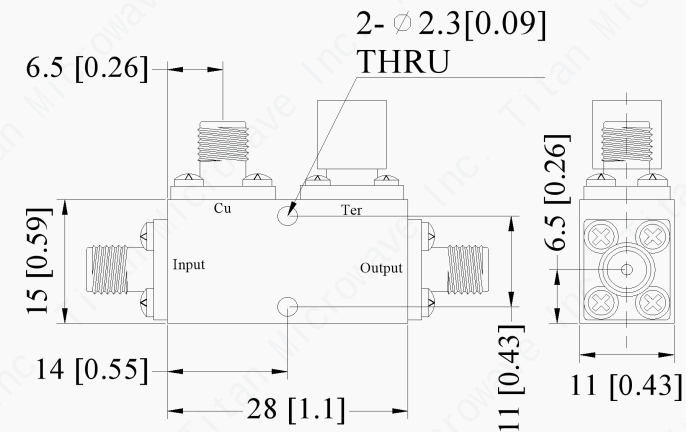
|                       |               |
|-----------------------|---------------|
| Frequency Range       | 6000~40000MHz |
| Insertion Loss        | 1.8dB max     |
| VSWR Primary          | 1.6:1 max     |
| VSWR Secondary        | 1.6:1 max     |
| Directivity           | 10dB min      |
| Nominal Coupling      | 10±1.0dB      |
| Frequency Sensitivity | ±1.0dB max    |
| Average Power         | 30W           |
| Impedance             | 50 Ohms       |

### ► Mechanical Data

|                |                    |
|----------------|--------------------|
| Dimensions     | 28×11×15mm         |
| Connector Type | 2.92mm-Female      |
| Surface Finish | Black/Gray Painted |

### ► 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>6~40GHz, 10dB, 30W,<br>2.92mm-Female |  | <div>成都巨人微波<br/><b>TITAN MICROWAVE INC.</b><br/><small>- A Professional RF &amp; Microwave Components Supplier -</small></div> <div><a href="http://www.titan-microwave.com">www.titan-microwave.com</a></div> |  |               |           |
| ENGINEER: J. Zhu 16/04/22            |  |  |                                                                                   |  |                                                                                                                                                                                                                                                                                                     |  |               |           |
| APPROVED: C. Chen 16/04/22           |  |  |                                                                                   |  |                                                                                                                                                                                                                                                                                                     |  |               |           |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |  |  | PART No.:<br><br>TMDC-06004000-10K30                                              |  | <div>DIMENSIONS IN MILLIMETERS(mm)</div>                                                                                                                                                                       |  |               |           |
| x ±0.50 [0.019"]                     |  |  |                                                                                   |  |                                                                                                                                                                                                                                                                                                     |  |               |           |
| .x ±0.20 [0.008"]                    |  |  |                                                                                   |  |                                                                                                                                                                                                                                                                                                     |  |               |           |
| .xx ±0.10 [0.004"]                   |  |  |                                                                                   |  |                                                                                                                                                                                                                                                                                                     |  |               |           |
| ANGLES ±1°                           |  |  |                                                                                   |  |                                                                                                                                                                                                                                                                                                     |  |               |           |
|                                      |  |  | SIZE:<br>A4                                                                       |  | SCALE:                                                                                                                                                                                                                                                                                              |  | SHEET:<br>1/1 | REV:<br>A |