

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

## TECHNICAL DATA

### ► Electrical Data

|                 |           |
|-----------------|-----------|
| Frequency Range | 90~520MHz |
| Insertion Loss  | 0.1dB max |
| VSWR            | 1.1:1 max |
| Coupling        | 40±1.0dB  |
| Directivity     | 25dB min  |
| Power Handling  | 200W(CW)  |

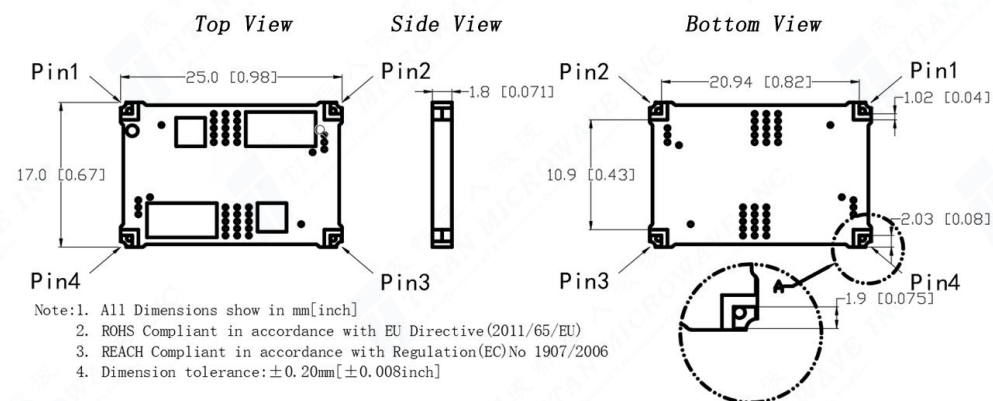
### ► Mechanical Data

|                |                |
|----------------|----------------|
| Dimensions     | 25×17×1.8mm    |
| Connector Type | SMD            |
| Surface Finish | Immersion Gold |

### ► Environmental Data

|                       |            |
|-----------------------|------------|
| Operating Temperature | -55℃~+105℃ |
|-----------------------|------------|

### Pin Configuration



| Pin 1        | Pin 2             | Pin 3        | Pin 4             |
|--------------|-------------------|--------------|-------------------|
| Input        | Reflected Coupled | Transmission | Forward Coupled   |
| Transmission | Forward Coupled   | Input        | Reflected Coupled |

#### Notes:

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

|                                      |
|--------------------------------------|
| DRAWN: L. Ma 16/04/22                |
| ENGINEER: J. Zhu 16/04/22            |
| APPROVED: C. Chen 16/04/22           |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |
| x ±0.50 [0.019"]                     |
| .x ±0.20 [0.008"]                    |
| .xx ±0.10 [0.004"]                   |
| ANGLES ±1°                           |

|                                                      |
|------------------------------------------------------|
| TITLE:                                               |
| SMD Directional Coupler,<br>90~520MHz,<br>40dB, 200W |
| PART No.:                                            |
| TMDC0300W40S                                         |

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