

## TECHNICAL DATA

### ► Electrical Data

|                 |             |
|-----------------|-------------|
| Frequency Range | 200~2400MHz |
| Insertion Loss  | 0.3dB max   |
| VSWR            | 1.2:1 max   |
| Coupling        | 42±1.0dB    |
| Directivity     | 25dB min    |
| Power Handling  | 150W(CW)    |

### ► Mechanical Data

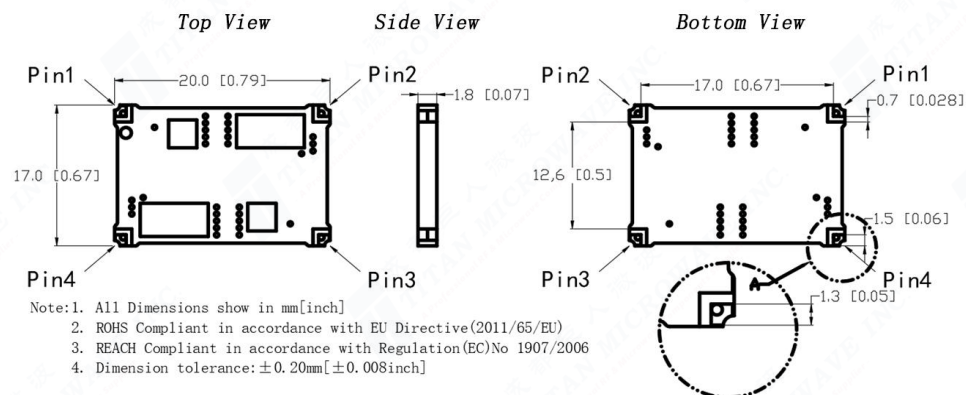
|                |                |
|----------------|----------------|
| Dimensions     | 20×17×1.8mm    |
| Connector Type | SMD            |
| Surface Finish | Immersion Gold |

### ► Environmental Data

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

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

### 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,  
200~2400MHz,  
42dB, 150W

#### PART No.:

TMDC1300W42S



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DIMENSIONS IN MILLIMETERS(mm)

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