

## TECHNICAL DATA

### ► Electrical Data

|                 |              |
|-----------------|--------------|
| Frequency Range | 1700~2800MHz |
| Insertion Loss  | 0.1dB max    |
| VSWR            | 1.2:1 max    |
| Coupling        | 20±1.0dB     |
| Directivity     | 20dB min     |
| Power Handling  | 100W(CW)     |

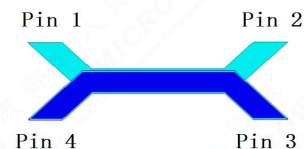
### ► Mechanical Data

|                |                  |
|----------------|------------------|
| Dimensions     | 14.22×5.08×2.0mm |
| Connector Type | SMD              |
| Surface Finish | Immersion Gold   |

### ► Environmental Data

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

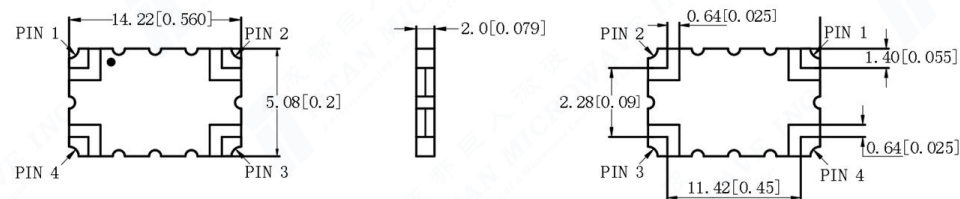
## Pin Configuration



Top View

Side View

Bottom View



| Pin 1        | Pin 2        | Pin 3    | Pin 4    |
|--------------|--------------|----------|----------|
| Input        | Transmission | Isolate  | Coupling |
| Transmission | Input        | Coupling | Isolate  |

## 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,  
1700~2800MHz,  
20dB, 100W

## PART No.:

TMDC2200E20



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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