

| REV | DESCRIPTION OF REVISION | By     | DATE      | APPROVED |
|-----|-------------------------|--------|-----------|----------|
| A   | INITIAL RELEASE         | C. Cai | 2026/1/24 | C. Chen  |

## TECHNICAL DATA

### ► Electrical Data

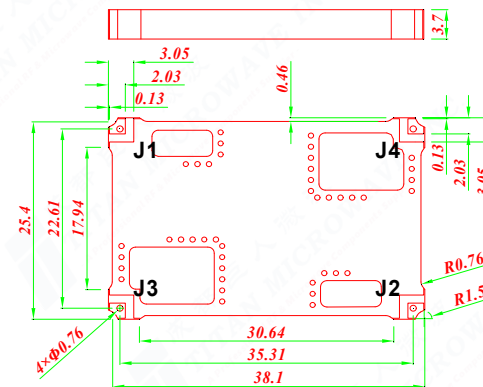
|                    |              |
|--------------------|--------------|
| Frequency Range    | 300~900MHz   |
| Coupling           | 43±1.0dB max |
| Coupling Flatness  | ±0.5dB max   |
| Insertion Loss     | 0.35dB max   |
| VSWR(Primary Line) | 1.3:1 max    |
| Directivity        | 16dB min     |
| Main Line Power    | 300W max     |

### ► Mechanical Data

|                |                 |
|----------------|-----------------|
| Connector Type | SMD             |
| Surface Finish | Immersion Gold  |
| Dimensions     | 38.1×25.4×3.7mm |

### ► Environmental Data

|                       |           |
|-----------------------|-----------|
| Operating Temperature | -55℃~+85℃ |
|-----------------------|-----------|



| IN | OUT | Forward Coupled | Reflected Coupled |
|----|-----|-----------------|-------------------|
| J1 | J2  | J3              | J4                |
| J2 | J1  | J4              | J3                |

#### Notes:

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

|                                      |       |          |
|--------------------------------------|-------|----------|
| DRAWN: L. Ma 24/01/26                |       |          |
| ENGINEER: J. Zhu 24/01/26            |       |          |
| APPROVED: C. Chen 24/01/26           |       |          |
| 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,  
300~900MHz,  
300W, 43dB

#### PART No.:

TM010304-45



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DIMENSIONS IN MILLIMETERS(mm)

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