

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

## TECHNICAL DATA

### Electrical Data

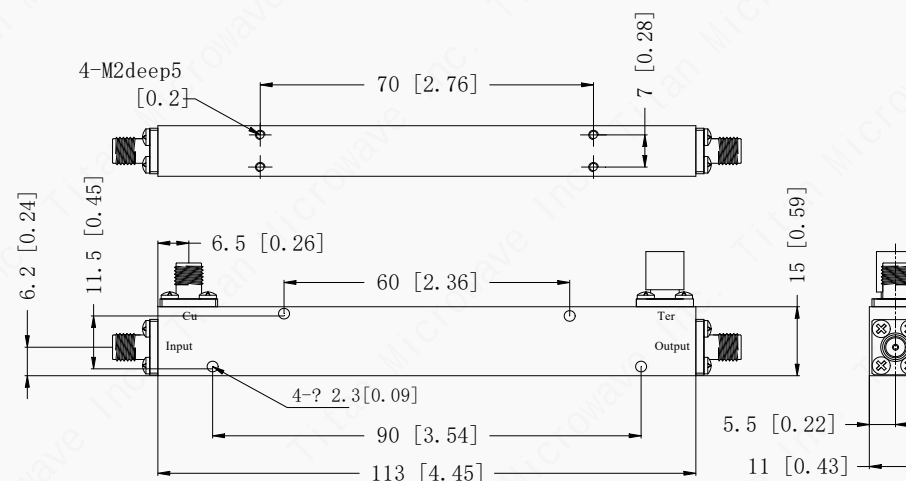
|                       |                        |
|-----------------------|------------------------|
| Frequency Range       | 400~2500MHz            |
| Insertion Loss        | 0.6dB max              |
| VSWR Primary          | 1.3:1 max              |
| VSWR Secondary        | 1.3:1 max              |
| Directivity           | 15dB min               |
| Nominal Coupling      | 20±1.0dB               |
| Frequency Sensitivity | ±0.9dB typ, ±1.0dB max |
| Average Power         | 30W                    |
| Impedance             | 50 Ohms                |

### Mechanical Data

|                |                      |
|----------------|----------------------|
| Dimensions     | 113×11×15mm          |
| Connector Type | SMA-Female           |
| Surface Finish | Conductive Oxidation |

### 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                |
| 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:

Single Directional Coupler,  
0.4~2.5GHz, 20dB, 30W,  
SMA-Female

#### PART No.:

TMDC-00400250-20S30



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DIMENSIONS IN MILLIMETERS(mm)

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