

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

## TECHNICAL DATA

### ► Electrical Data

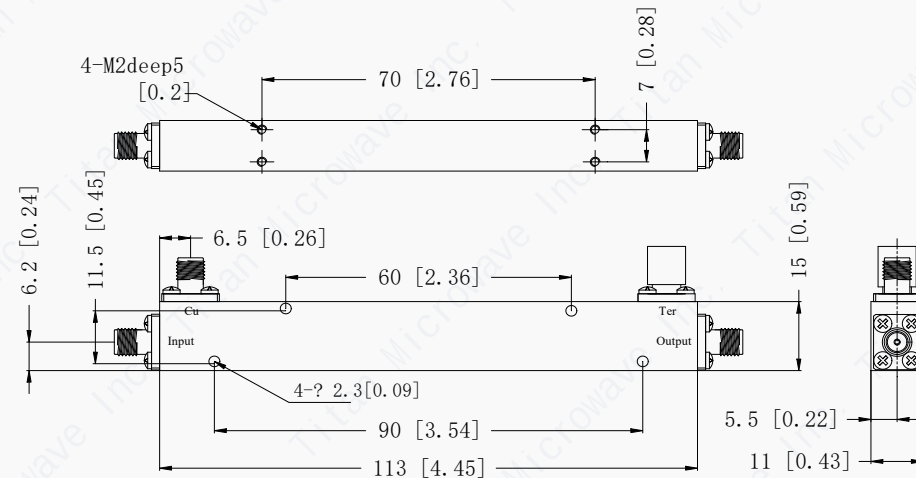
|                       |                        |
|-----------------------|------------------------|
| Frequency Range       | 600~6000MHz            |
| Insertion Loss        | 0.6dB max              |
| VSWR Primary          | 1.25:1 max             |
| VSWR Secondary        | 1.25:1 max             |
| Directivity           | 18dB 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                |  |  | TITLE:<br><br>Single Directional Coupler,<br>0.6~6GHz, 20dB, 30W,<br>SMA-Female |  | <div> 成都巨人微波<br/>TITAN MICROWAVE INC.<br/>- A Professional RF &amp; Microwave Components Supplier -</div> |  |  |  |
| ENGINEER: J. Zhu 16/04/22            |  |  |                                                                                 |  | www.titan-microwave.com                                                                                                                                                                        |  |  |  |
| APPROVED: C. Chen 16/04/22           |  |  |                                                                                 |  |                                                                                                                                                                                                |  |  |  |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |  |  | PART No.:<br><br>TMDC-00600600-20S30                                            |  | <div> DIMENSIONS IN MILLIMETERS(mm)</div>                                                                 |  |  |  |
| x ±0.50 [0.019"]                     |  |  |                                                                                 |  | <div><div>SIZE: A4</div><div>SCALE:</div><div>SHEET: 1/1</div><div>REV: A</div></div>                                                                                                          |  |  |  |
| .x ±0.20 [0.008"]                    |  |  |                                                                                 |  |                                                                                                                                                                                                |  |  |  |
| .xx ±0.10 [0.004"]                   |  |  |                                                                                 |  |                                                                                                                                                                                                |  |  |  |
| ANGLES ±1°                           |  |  |                                                                                 |  |                                                                                                                                                                                                |  |  |  |