

| REV | DESCRIPTION OF REVISION | By     | DATE       | APPROVED |
|-----|-------------------------|--------|------------|----------|
| A   | INITIAL RELEASE         | C. Cai | 2022/12/21 | C. Chen  |

## TECHNICAL DATA

### ► Electrical Data

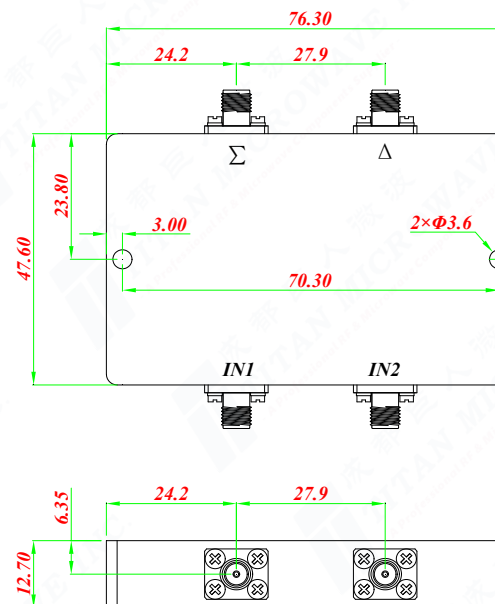
|                         |              |
|-------------------------|--------------|
| Frequency Range         | 1300~2400MHz |
| Insertion Loss(average) | 0.5dB max    |
| VSWR                    | 1.35:1 max   |
| Isolation               | 18dB min     |
| Amplitude Balance       | ±0.25dB max  |
| Phase Balance           | ±4° max      |
| Impedance               | 50 Ohms      |
| Power Rating            | 20W          |

### ► Mechanical Data

|                         |                                    |
|-------------------------|------------------------------------|
| Input/Output Connectors | SMA-Female                         |
| Dimensions              | 76.3×47.6×12.7mm                   |
| Surface Finish          | Natural Color Conductive Oxidation |

### ► Environmental Data

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



#### Notes:

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

|                                      |  |  |                                                                            |  |                                                                                                                                                                                                                      |  |        |  |            |  |        |  |
|--------------------------------------|--|--|----------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|------------|--|--------|--|
| DRAWN: L. Ma 21/12/22                |  |  | TITLE:<br><br>3dB 180° Hybrid Coupler,<br>1300~2400MHz, 20W,<br>SMA-Female |  | <div> 成都巨人微波<br/><b>TITAN MICROWAVE INC.</b><br/><small>- A Professional RF &amp; Microwave Components Supplier -</small></div> |  |        |  |            |  |        |  |
| ENGINEER: J. Zhu 21/12/22            |  |  |                                                                            |  | <div><a href="http://www.titan-microwave.com">www.titan-microwave.com</a></div>                                                                                                                                      |  |        |  |            |  |        |  |
| APPROVED: C. Chen 21/12/22           |  |  |                                                                            |  |                                                                                                                                                                                                                      |  |        |  |            |  |        |  |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |  |  | PART No.:<br><br>TMHC180-01300240-20S                                      |  | <div> DIMENSIONS IN MILLIMETERS(mm)</div>  |  |        |  |            |  |        |  |
| x ±0.50 [0.019"]                     |  |  |                                                                            |  | SIZE: A4                                                                                                                                                                                                             |  | SCALE: |  | SHEET: 1/1 |  | REV: A |  |
| .x ±0.20 [0.008"]                    |  |  |                                                                            |  |                                                                                                                                                                                                                      |  |        |  |            |  |        |  |
| .xx ±0.10 [0.004"]                   |  |  |                                                                            |  |                                                                                                                                                                                                                      |  |        |  |            |  |        |  |
| ANGLES ±1°                           |  |  |                                                                            |  |                                                                                                                                                                                                                      |  |        |  |            |  |        |  |

|        |       |          |
|--------|-------|----------|
| x      | ±0.50 | [0.019"] |
| .x     | ±0.20 | [0.008"] |
| .xx    | ±0.10 | [0.004"] |
| ANGLES | ±1°   |          |