

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

## TECHNICAL DATA

### ► Electrical Data

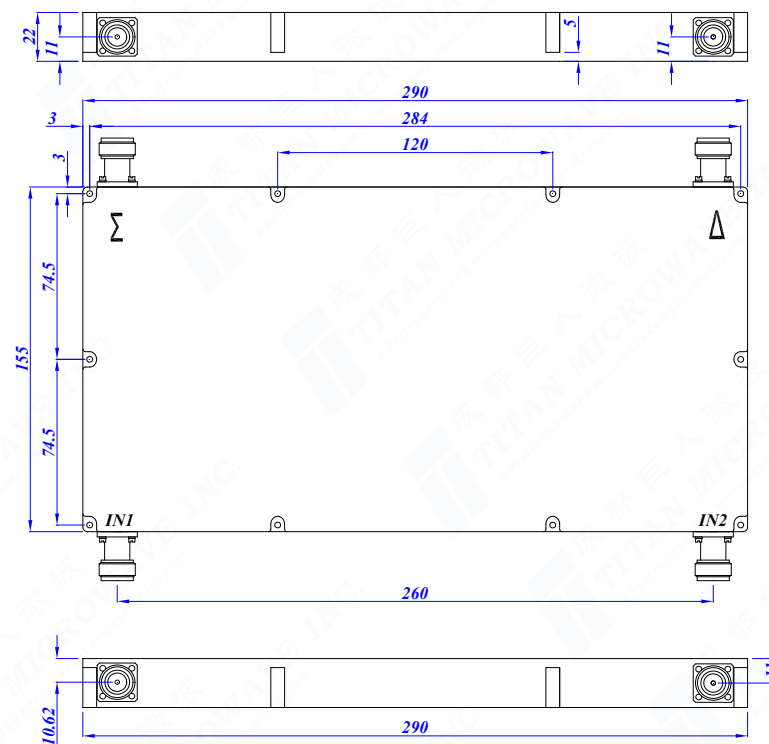
|                         |            |
|-------------------------|------------|
| Frequency Range         | 100~300MHz |
| Insertion Loss(average) | 0.8dB max  |
| VSWR                    | 1.4:1 max  |
| Isolation               | 17dB min   |
| Amplitude Balance       | ±0.5dB max |
| Phase Balance           | ±5°        |
| Impedance               | 50 Ohms    |
| Power Rating            | 500W       |

### ► Mechanical Data

|                         |                                    |
|-------------------------|------------------------------------|
| Input/Output Connectors | N-Female                           |
| Dimensions              | 290×155×22mm                       |
| 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>100~300MHz, 500W,<br>N-Female | <div> 成都巨人微波<br/>TITAN MICROWAVE INC.<br/>- A Professional RF &amp; Microwave Components Supplier -</div> |                                                                                                                                |               |           |
| ENGINEER: J. Zhu 21/12/22            |       |          |                                                                         | www.titan-microwave.com                                                                                                                                                                        |                                                                                                                                |               |           |
| APPROVED: C. Chen 21/12/22           |       |          |                                                                         |                                                                                                                                                                                                |                                                                                                                                |               |           |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |       |          |                                                                         | PART No.:<br><br>TMHC180-00100030-500N                                                                                                                                                         | <div> DIMENSIONS IN MILLIMETERS(mm)</div> |               |           |
| x                                    | ±0.50 | [0.019"] |                                                                         |                                                                                                                                                                                                |                                                                                                                                |               |           |
| .x                                   | ±0.20 | [0.008"] |                                                                         |                                                                                                                                                                                                |                                                                                                                                |               |           |
| .xx                                  | ±0.10 | [0.004"] |                                                                         |                                                                                                                                                                                                |                                                                                                                                |               |           |
| ANGLES                               | ±1°   |          |                                                                         | SIZE:<br>A4                                                                                                                                                                                    | SCALE:                                                                                                                         | SHEET:<br>1/1 | REV:<br>A |