

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

## TECHNICAL DATA

### ► Electrical Data

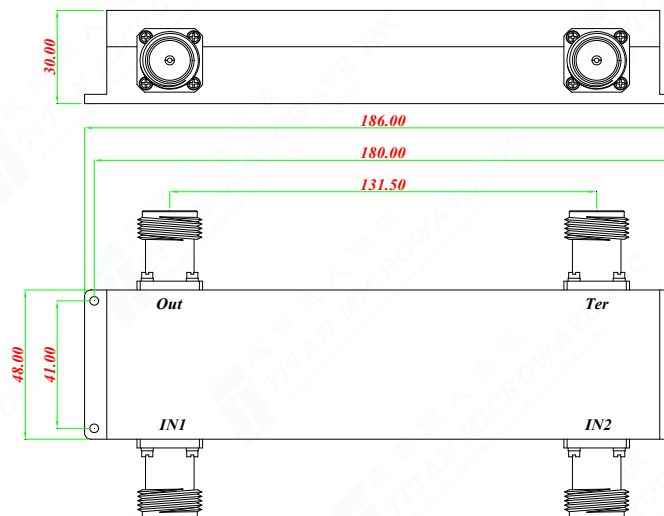
|                         |                     |
|-------------------------|---------------------|
| Frequency Range         | 450~820MHz          |
| Insertion Loss(average) | 0.25dB max          |
| VSWR                    | 1.3:1 max           |
| Isolation               | 20dB min            |
| Amplitude Balance       | ±0.5dB max          |
| Phase Balance           | ±3° max             |
| Impedance               | 50 Ohms             |
| Power Rating            | 800W(CW), 5000W(PK) |

### ► Mechanical Data

|                |                                    |
|----------------|------------------------------------|
| Connectors     | N-Female                           |
| Dimensions     | 186×48×30mm                        |
| 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                |       |          |
| ENGINEER: J. Zhu 21/12/22            |       |          |
| APPROVED: C. Chen 21/12/22           |       |          |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |       |          |
| x                                    | ±0.50 | [0.019"] |
| .x                                   | ±0.20 | [0.008"] |
| .xx                                  | ±0.10 | [0.004"] |
| ANGLES                               | ±1°   |          |

#### TITLE:

3dB 90° Hybrid Coupler,  
450~820MHz, 800W,  
N-Female

#### PART No.:

TMHC90-00450082-800N



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DIMENSIONS IN MILLIMETERS(mm)

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