

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

## TECHNICAL DATA

### ► Electrical Data

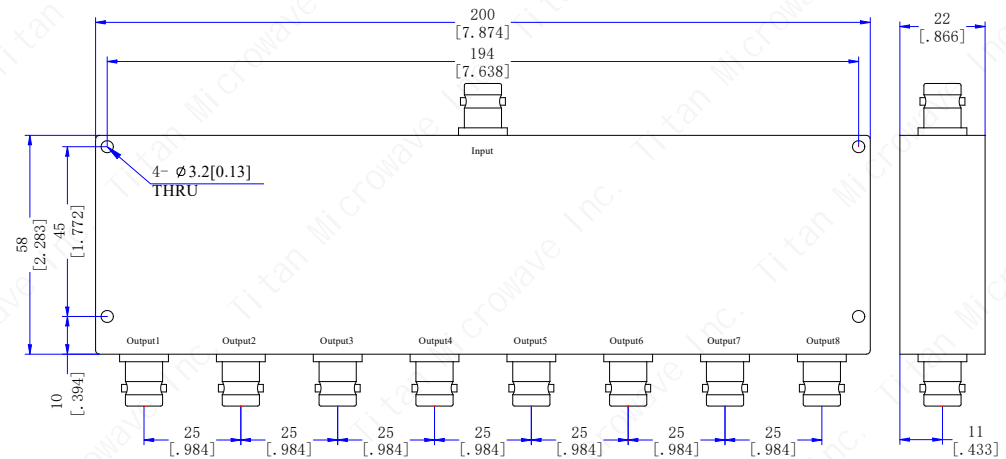
|                                    |  |
|------------------------------------|--|
| Frequency Range                    | 1~30MHz  |
| Insertion Loss                     | 3.0dB max  |
| (excluding theoretical loss 9.0dB) |  |
| Input Port VSWR                    | 1.18:1 typ, 1.50:1 max                           |
| Output Port VSWR                   | 1.18:1 typ, 1.50:1 max                           |
| Isolation                          | 20dB min, 32dB typ                               |
| Amplitude Balance                  | ±0.5dB   |
| Phase Balance                      | ±3°  |
| Impedance                          | 50 Ohms  |
| Power Rating                       | 1W(as a splitter)                                |
| Power Rating                       | 0.5W(as a combiner,                              |
|                                    | Input power is no more than 0.065W at each port) |

### ► Mechanical Data

|                         |                      |
|-------------------------|----------------------|
| Input/Output Connectors | BNC-Female           |
| Dimensions              | 200×58×22mm          |
| Surface Finish          | Conductive Oxidation |
| Weight                  | 700g                 |


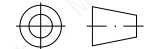
### ► Environmental Data

|                       |           |
|-----------------------|-----------|
| 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>Power Divider<br>8 Way, 1~30MHz, 1W,<br>BNC-Female | <br>www.titan-microwave.com |   |      |
| ENGINEER: J. Zhu 21/12/22            |  |  |   |      |
| APPROVED: C. Chen 21/12/22           |  | PART No.:  |  DIMENSIONS IN MILLIMETERS(mm) |      |
| TOLERANCE UNLESS OTHERWISE SPECIFIED | TMPD8-1M0003-1B  |  |   |      |
| x ±0.50 [0.019"]                     | SIZE:  | SCALE:   | SHEET:  | REV: |
| .x ±0.20 [0.008"]                    | A4   |  | 1/1   | A    |
| .xx ±0.10 [0.004"]                   |  |  |   |      |
| ANGLES ±1°                           |  |  |   |      |