

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

## TECHNICAL DATA

### Electrical Data

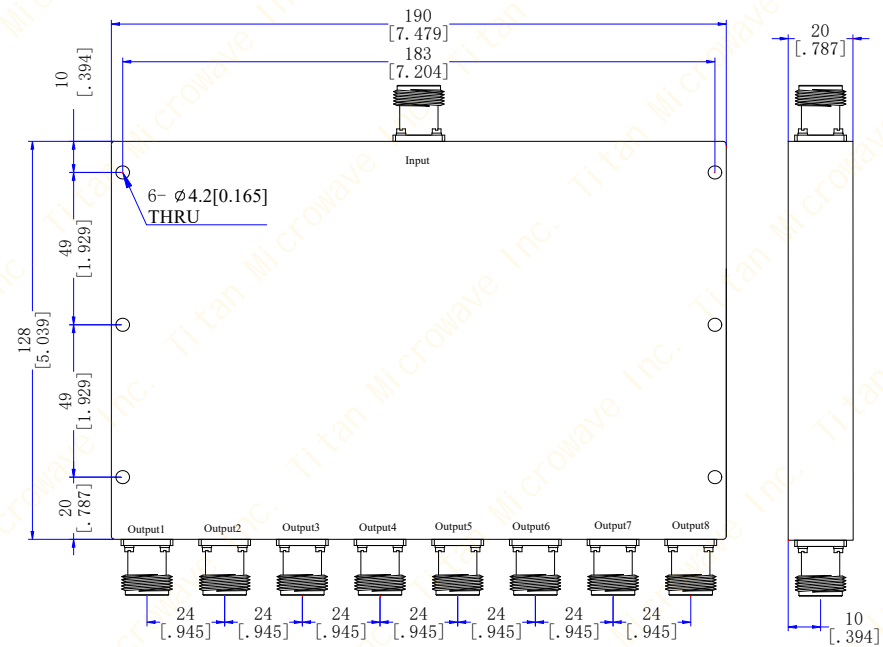
|                                                      |                                         |
|------------------------------------------------------|-----------------------------------------|
| Frequency Range                                      | 500~8000MHz                             |
| Insertion Loss<br>(excluding theoretical loss 9.0dB) | 4.0dB max                               |
| Input Port VSWR                                      | 1.16:1 typ, 1.5:1 max                   |
| Output Port VSWR                                     | 1.14:1 typ, 1.25:1 max                  |
| Isolation                                            | 18dB min, 26dB typ                      |
| Amplitude Balance                                    | ±0.4dB                                  |
| Phase Balance                                        | ±5°                                     |
| Impedance                                            | 50 Ohms                                 |
| Power Rating                                         | 20W(as a splitter)<br>1W(as a combiner) |

### Mechanical Data

|                         |                         |
|-------------------------|-------------------------|
| Input/Output Connectors | N-Female                |
| Housing Material        | Aluminum                |
| Dimensions              | 190×128×20mm            |
| Surface Finish          | Black/Gray/Blue Painted |
| Weight                  | 1200g                   |


### Environmental Data

|                       |            |
|-----------------------|------------|
| Operating Temperature | -45℃~+85℃  |
| Storage Temperature   | -50℃~+105℃ |



#### 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, 0.5~8GHz, 20W,<br>N-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 | TMPD8-00500800-20N                                           | SIZE:<br>A4                                                                                                      | SCALE:                        | SHEET:<br>1/1 | REV:<br>A |
| x ±0.50 [0.019"]                     |                                                              |                                                                                                                  |                               |               |           |
| .x ±0.20 [0.008"]                    |                                                              |                                                                                                                  |                               |               |           |
| .xx ±0.10 [0.004"]                   |                                                              |                                                                                                                  |                               |               |           |
| ANGLES ±1°                           |                                                              |                                                                                                                  |                               |               |           |