

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

## TECHNICAL DATA

### Electrical Data

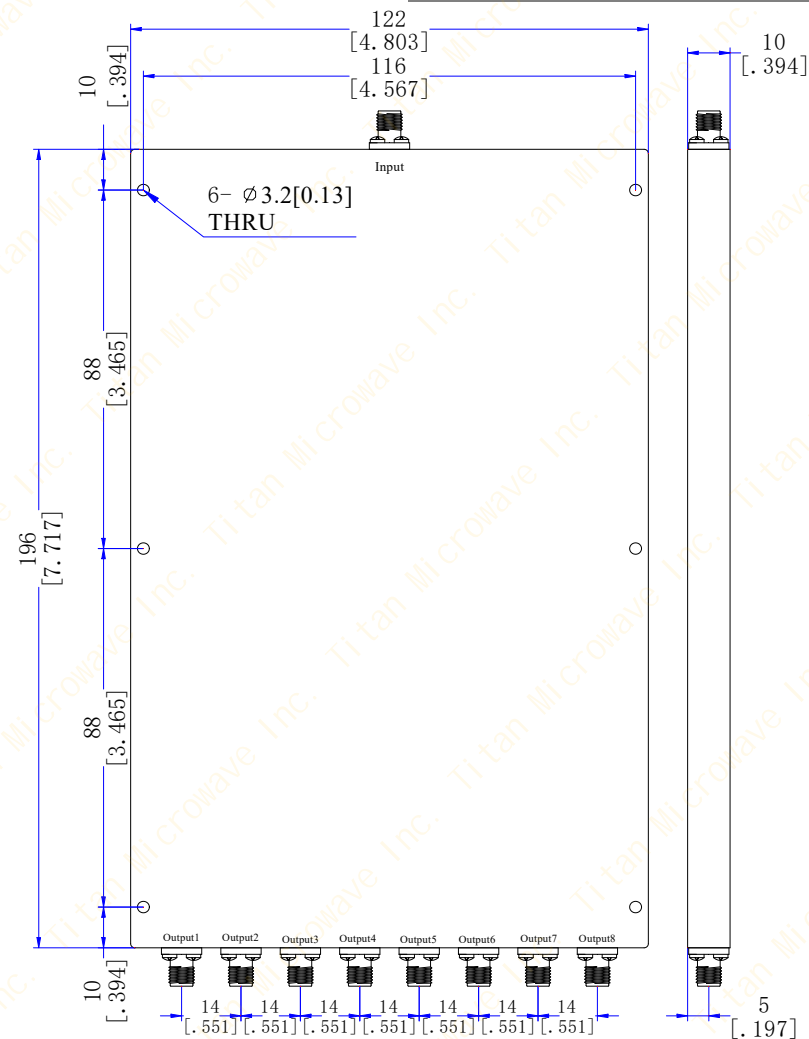
|  |   |
|--|---|
| Frequency Range                                      | 0.5~6GHz                                |
| Insertion Loss<br>(excluding theoretical loss 9.0dB) | 1.8dB max                               |
| Input Port VSWR                                      | 1.18:1 typ; 1.35:1 max                  |
| Output Port VSWR                                     | 1.12:1 typ, 1.25:1 max                  |
| Isolation  | 18dB min, 26dB typ                      |
| Amplitude Balance                                    | ±0.4dB                                  |
| Phase Balance  | ±4°                                     |
| Impedance  | 50 Ohms                                 |
| Power Rating   | 20W(as a splitter)<br>1W(as a combiner) |

### Mechanical Data

|                         |                         |
|-------------------------|-------------------------|
| Input/Output Connectors | SMA-Female              |
| Dimensions              | 196×122×10mm            |
| Surface Finish          | Black/Gray/Blue Painted |
| Weight                  | 750g                    |

### Environmental Data

|                       |           |
|-----------------------|-----------|
| Operating Temperature | -35℃~+75℃ |
|-----------------------|-----------|



|                                      |       |          |
|--------------------------------------|-------|----------|
| 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:**  
Power Divider  
8 Way, 0.5~6GHz, 20W,  
SMA-Female



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DIMENSIONS IN MILLIMETERS(mm)

**PART No.:**  
TMPD8-00500600-20S

**SIZE:**  
A4

**SCALE:**

**SHEET:**  
1/1

**REV:**  
A

**Notes:**

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