

| REV | DESCRIPTION OF REVISION | By     | DATE      | APPROVED |
|-----|-------------------------|--------|-----------|----------|
| A   | INITIAL RELEASE         | C. Cai | 2022/6/15 | C. Chen  |

## TECHNICAL DATA

### Electrical Data

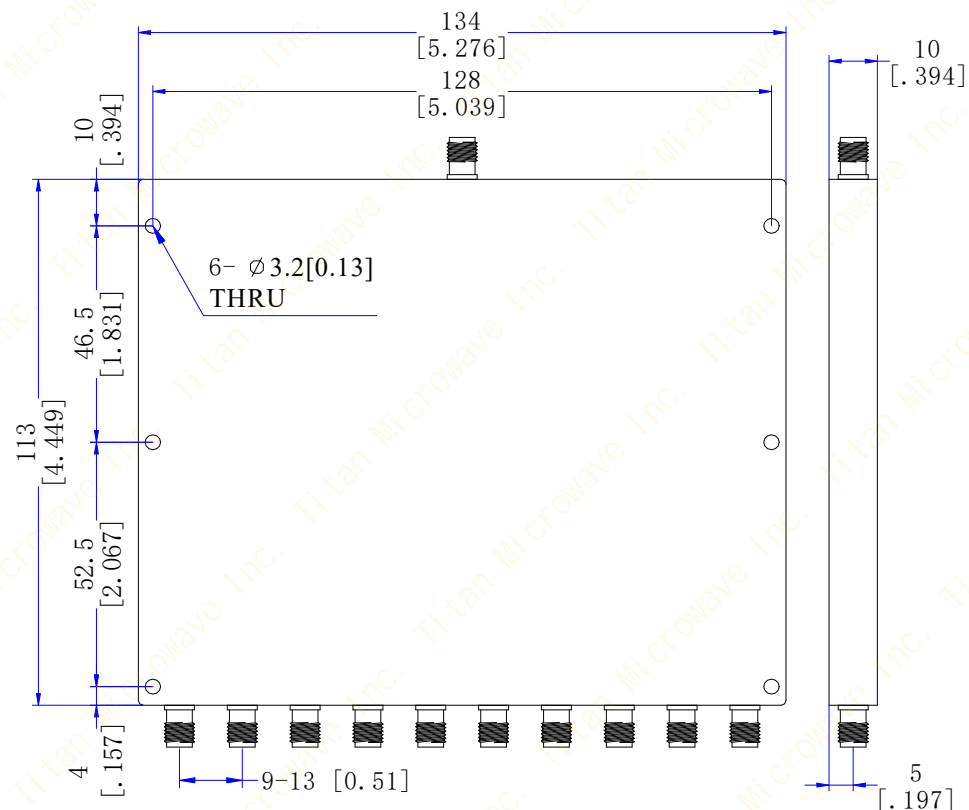
|   |   |
|---|---|
| Frequency Range                                     | 0.5~6GHz                                |
| Insertion Loss<br>(excluding theoretical loss 10dB) | 2.8dB max                               |
| Isolation   | 18dB min, 24dB typ                      |
| Input VSWR  | 1.28:1 typ, 1.6:1 max                   |
| Output VSWR   | 1.18:1 typ, 1.3:1 max                   |
| Amplitude Balance                                   | ±2.0dB max                              |
| Phase Balance                                       | ±15°                                    |
| Power Rating  | 10W(as a splitter)<br>1W(as a combiner) |
| Impedance   | 50 Ohms                                 |

### Mechanical Data

|                         |                            |
|-------------------------|----------------------------|
| Dimensions              | 134×113×10mm               |
| Input/Output Connectors | SMA-Female                 |
| Connectors Material     | Passivated Stainless Steel |
| Surface Finish          | Grey/Black/Blue Painted    |

### Environmental Data

|                       |           |
|-----------------------|-----------|
| Operating Temperature | -40℃~+80℃ |
| Storage Temperature   | -45℃~+85℃ |



#### Notes:

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

|                                      |       |          |
|--------------------------------------|-------|----------|
| DRAWN: L. Ma 15/06/22                |       |          |
| ENGINEER: J. Zhu 15/06/22            |       |          |
| APPROVED: C. Chen 15/06/22           |       |          |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |       |          |
| x                                    | ±0.50 | [0.019"] |
| .x                                   | ±0.20 | [0.008"] |
| .xx                                  | ±0.10 | [0.004"] |
| ANGLES                               | ±1°   |          |

**TITLE:**  
Power Divider  
10-Way, 0.5-6GHz, 10W,  
SMA-Female

**PART No.:**  
TMPD10-00500600-10S

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DIMENSIONS IN MILLIMETERS(mm)

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