

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

## TECHNICAL DATA

### Electrical Data

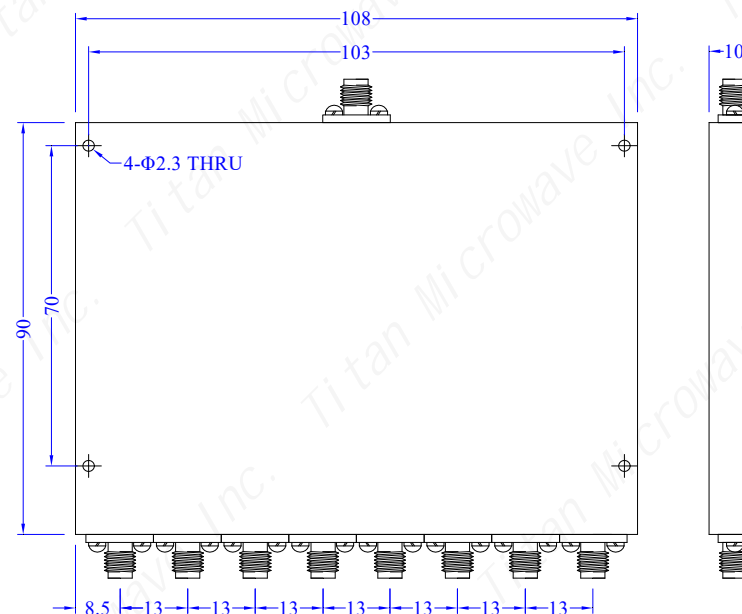
|  |            |
|--|------------|
| Frequency Range  | 1~4GHz     |
| Insertion Loss<br>(excluding theoretical insertion loss 9dB) | 1.5dB max  |
| Isolation  | 18dB min   |
| Input VSWR   | 1.5 max    |
| Output VSWR  | 1.4 max    |
| Amplitude Balance  | ±0.5dB max |
| Phase Balance  | ±5°        |
| Forward Power  | 20W        |
| Reverse Power  | 1W         |
| Impedance  | 50 Ohms    |

### Mechanical Data

|                   |                         |
|-------------------|-------------------------|
| Dimensions        | 108×90×10mm             |
| Input Connector   | SMA-Female              |
| Output Connectors | SMA-Female              |
| 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, 8-Way, 1-4GHz, 20W, SMA-Female

#### PART No.:

TMPD8-01000400-20S



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DIMENSIONS IN MILLIMETERS(mm)

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