

| REV | DESCRIPTION OF REVISION | By     | DATE     | APPROVED |
|-----|-------------------------|--------|----------|----------|
| A   | INITIAL RELEASE         | C. Cai | 2026/2/6 | C. Chen  |

## TECHNICAL DATA(@25°C)

### ► Electrical Data

|                    |                             |
|--------------------|-----------------------------|
| Frequency Range    | 18~26.5GHz                  |
| Output Power(P1dB) | +10dBm min, +12dBm typ      |
| Small Signal Gain  | 40dB min                    |
| Gain Flatness      | ±1.5dB max                  |
| Noise Figure       | 1.5dB typ, 2.2dB max        |
| Input VSWR         | 1.8:1 typ, 2:1 max          |
| Output VSWR        | 1.8:1 typ, 2:1 max          |
| Impedance          | 50 Ohms                     |
| Voltage            | +9V min, +12V typ, +15V max |
| Current            | 120mA typ                   |

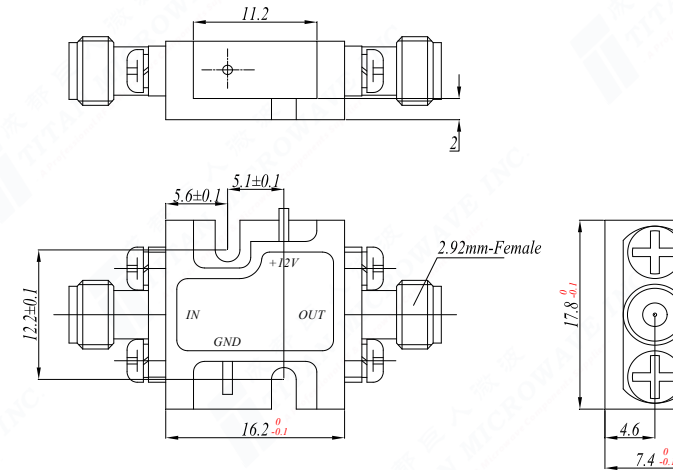
### ► Mechanical Data

|                        |                    |
|------------------------|--------------------|
| Dimensions             | 16.2×17.8×7.4mm    |
| Input Connector        | 2.92mm-Female      |
| Output Connector       | 2.92mm-Female      |
| Power Supply Interface | Feedthru Capacitor |

### ► Environmental Data

|                       |            |
|-----------------------|------------|
| Operating Temperature | -40℃~+70℃  |
| Storage Temperature   | -55℃~+100℃ |

- 1) The products undergo temperature cycling tests.  
2) The products are sealed using laser welding.



#### Notes:

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

|                                      |
|--------------------------------------|
| DRAWN: L. Ma 06/02/26                |
| ENGINEER: J. Zhu 06/02/26            |
| APPROVED: C. Chen 06/02/26           |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |
| x ±0.50 [0.019"]                     |
| .x ±0.20 [0.008"]                    |
| .xx ±0.10 [0.004"]                   |
| ANGLES ±1°                           |

#### TITLE:

Low Noise Amplifier  
18-26.5GHz, Gain 40dB,  
P1dB 10dBm, Noise Figure  
2.2dB, +12V, 2.92mm-  
Female

#### PART No.:

TMLA-18002650-4010-22



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DIMENSIONS IN MILLIMETERS(mm)

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