

| REV | DESCRIPTION OF REVISION | By     | DATE      | APPROVED |
|-----|-------------------------|--------|-----------|----------|
| A   | INITIAL RELEASE         | C. Cai | 2023/9/12 | C. Chen  |

## TECHNICAL DATA

### ► Electrical Data

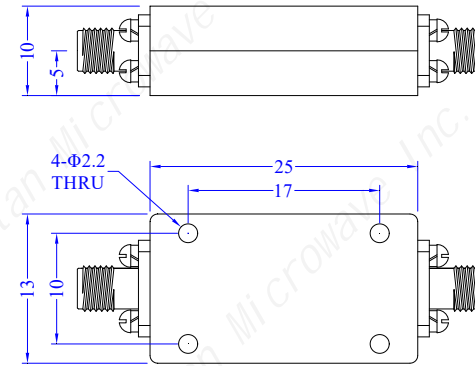
|                          |                                |
|--------------------------|--------------------------------|
| Pass Band Frequency      | DC-18GHz                       |
| Pass Band Insertion Loss | ≤0.7dB                         |
| Pass Band VSWR           | ≤1.8:1                         |
| Stop Band Rejection      | ≥60dB@26-29GHz, ≥40dB@29~35GHz |
| Impedance                | 50 Ohms                        |
| Power Handling           | ≤10W                           |

### ► Mechanical Data

|            |                             |
|------------|-----------------------------|
| Dimensions | 25×13×10mm                  |
| Connectors | SMA-Female(stainless steel) |
| Material   | 6061 Aluminum Alloy         |

### ► Environmental Data

|                   |                             |
|-------------------|-----------------------------|
| Temperature Range | -40℃~+85℃(design assurance) |
|-------------------|-----------------------------|



|                                      |       |          |
|--------------------------------------|-------|----------|
| DRAWN: L. Ma 12/09/23                |       |          |
| ENGINEER: J. Zhu 12/09/23            |       |          |
| APPROVED: C. Chen 12/09/23           |       |          |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |       |          |
| x                                    | ±0.50 | [0.019"] |
| .x                                   | ±0.20 | [0.008"] |
| .xx                                  | ±0.10 | [0.004"] |
| ANGLES                               | ±1°   |          |

**TITLE:**  
Low Pass Filter, DC-18GHz, Stop Band Rejection 40dB, 10W, SMA-Female

**PART No.:**  
TLF-18000-40S



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DIMENSIONS IN MILLIMETERS(mm)

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

**Notes:**

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