

## Coaxial Band-pass Filter

26.75-27.25GHz/ 2.92 Female

Model: TLBF-27G-500M-A

TLBF-27G-500M-A is a coaxial band-pass filter with a passband frequency from 26.25 to 27.25GHz and a rejection frequencies 25.5GHz and 28.5GHz. The nominal insertion loss of the filter is 1.6dB and the typical rejection is 50 dB.

### Features:

- Passband Frequency Range 26.25 to 27.25GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

### Applications:

- Instrumentations
- Radar Systems
- System Integrations

### Electrical Characteristics:

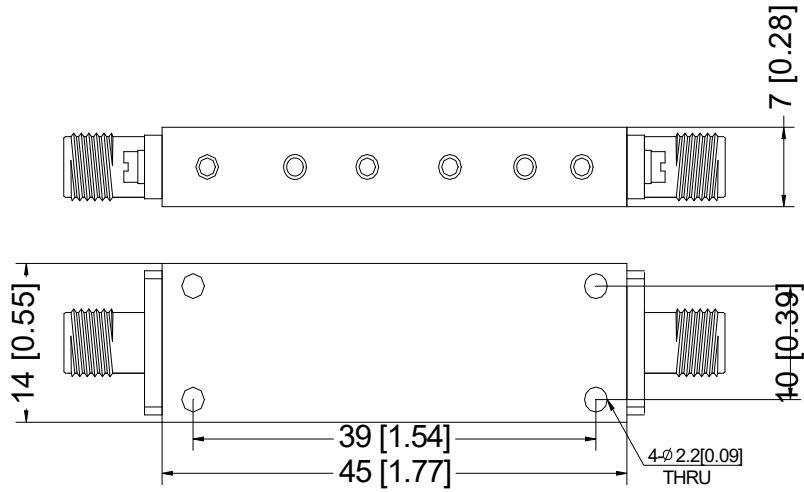
| Parameter                | Min             | Typ | Max   | Units |
|--------------------------|-----------------|-----|-------|-------|
| Passband Frequency range | 26.25           |     | 27.25 | GHz   |
| Passband Insertion Loss  |                 |     | 1.6   | dB    |
| Pass Band Ripple         |                 |     | 1.4   | dB    |
| Rejection                | >50dB@fo±1.5GHz |     |       | dB    |
| Power Handling           |                 |     | 20    | W     |
| Input VSWR               |                 |     | 1.5   | :1    |
| Output VSWR              |                 |     | 1.5   | :1    |
| Impedance                | 50              |     |       | Ohms  |

### Envrionmental And Physical Characteristics:

| Description          | Parameter   | Units |
|----------------------|-------------|-------|
| Operating Temerature | -40 To +70  | °C    |
| Storage Temperature  | -40 to +70  | °C    |
| Connectors           | 2.92 Female |       |

Outline Drawing:

Unit:mm;



ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

| Base Number     | Description                                                                                                         | Revision |
|-----------------|---------------------------------------------------------------------------------------------------------------------|----------|
| TLBF-27G-500M-A | Coaxial Band-pass Filter, Passband frequency range: 26.25 to 27.25GHz , Passband Insertion Loss: 1.6dB, 2.92 Female | Rev.1.0  |