

## Coaxial Bandpass Filter

24.2-24.7 GHz/2.92mm

Model: TLBF-24G2-24G7-K

TLBF-24G2-24G7-K is a coaxial bandpass filter with a passband frequency from 24.2 to 24.7 GHz and a center frequency is 24.45 GHz. The nominal insertion loss of the filter is 8.6 dB and the typical rejection is 40 dB.

### Features:

- Passband Frequency Range 24.2 to 24.7 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

### Applications:

- Instrumentations
- Radar Systems
- System Integrations

### Electrical Characteristics:

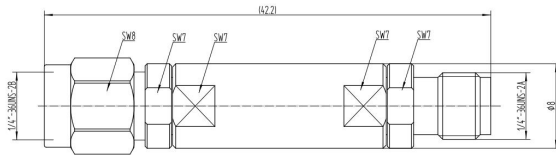
| Parameter                | Min                | Typ  | Max  | Units |
|--------------------------|--------------------|------|------|-------|
| Passband Frequency range | 24.2               |      | 24.7 | GHz   |
| Passband Insertion Loss  |                    | 8.6  |      | dB    |
| Pass Band Ripple         |                    | ±1.4 |      | dB    |
| Rejection                | 40@23.1GHz&25.4GHz |      |      | dB    |
| Power Handling           |                    | 1    |      | W     |
| Return Loss              |                    | 13   |      | dB    |
| Impedance                | 50                 |      |      | Ohms  |

### Envrionmental And Physical Characteristics:

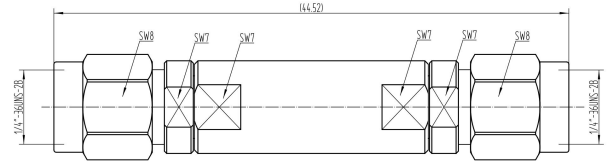
| Description           | Parameter   | Units |
|-----------------------|-------------|-------|
| Operating Temperature | -55 To +125 | °C    |
| Storage Temperature   | -65 to +150 | °C    |
| Connectors            | 2.92mm      |       |
| Weight                | /           | g     |

## Outline Drawing:

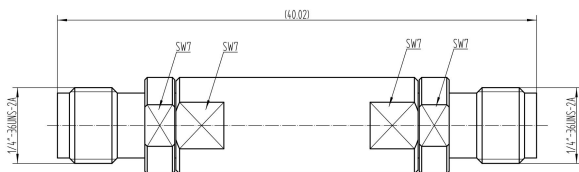
Unit:mm



TLBF-24G2-24G7-K



TLBF-24G2-24G7-MM



TLBF-24G2-24G7-FF



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

## Ordering Information:

| Base Number       | Description                                                                                                                                          | Revision |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| TLBF-24G2-24G7-K  | Coaxial Bandpass Filter, Passband frequency range: 24.2-24.7GHz, Passband Insertion Loss: 8.6dB, 2.92mm Male/2.92mm Female Coaxial Fixed Termination | Rev.1.1  |
| TLBF-24G2-24G7-MM | Coaxial Bandpass Filter, Passband frequency range: 24.2-24.7GHz, Passband Insertion Loss: 8.6dB, 2.92mm Male Coaxial Fixed Termination               | Rev.1.1  |
| TLBF-24G2-24G7-FF | Coaxial Bandpass Filter, Passband frequency range: 24.2-24.7GHz, Passband Insertion Loss: 8.6dB, 2.92mm Female Coaxial Fixed Termination             | Rev.1.1  |