

## Coaxial Bandpass Filter

35.45-37.85 GHz/2.92mm

Model: TLBF-35G45-37G85-K

TLBF-35G45-37G85-K is a coaxial bandpass filter with a passband frequency from 35.45 to 37.85 GHz and a center frequency is 36.65 GHz. The nominal insertion loss of the filter is 5.1 dB and the typical rejection is 40 dB.

### Features:

- Passband Frequency Range 35.45 to 37.85 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

### Applications:

- Instrumentations
- Radar Systems
- System Integrations

### Electrical Characteristics:

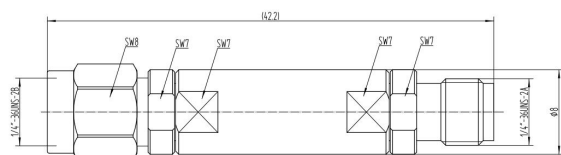
| Parameter                | Min                | Typ  | Max   | Units |
|--------------------------|--------------------|------|-------|-------|
| Passband Frequency range | 35.45              |      | 37.85 | GHz   |
| Passband Insertion Loss  |                    | 5.1  |       | dB    |
| Pass Band Ripple         |                    | ±1.4 |       | dB    |
| Rejection                | 40@32.6GHz&38.8GHz |      |       | dB    |
| Power Handling           |                    | 1    |       | W     |
| Return Loss              |                    | 15   |       | dB    |
| Impedance                | 50                 |      |       | Ohms  |

### Envrionmental And Physical Characteristics:

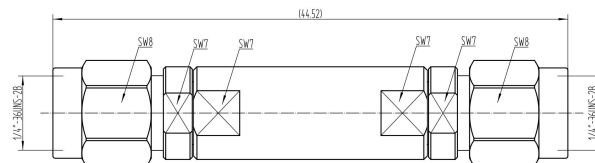
| Description           | Parameter   | Units |
|-----------------------|-------------|-------|
| Operating Temperature | -55 To +125 | °C    |
| Storage Temperature   | -65 to +150 | °C    |
| Connectors            | 2.92mm      |       |
| Weight                | /           | g     |

## Outline Drawing:

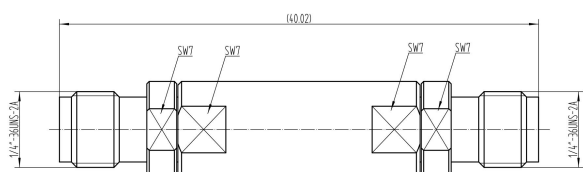
Unit:mm



TLBF-35G45-37G85-K



TLBF-35G45-37G85-MM



TLBF-35G45-37G85-FF



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

## Ordering Information:

| Base Number         | Description                                                                                                                                            | Revision |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| TLBF-35G45-37G85-K  | Coaxial Bandpass Filter, Passband frequency range: 35.45-37.85GHz, Passband Insertion Loss: 5.1dB, 2.92mm Male/2.92mm Female Coaxial Fixed Termination | Rev.1.1  |
| TLBF-35G45-37G85-MM | Coaxial Bandpass Filter, Passband frequency range: 35.45-37.85GHz, Passband Insertion Loss: 5.1dB, 2.92mm Male Coaxial Fixed Termination               | Rev.1.1  |
| TLBF-35G45-37G85-FF | Coaxial Bandpass Filter, Passband frequency range: 35.45-37.85GHz, Passband Insertion Loss: 5.1dB, 2.92mm Female Coaxial Fixed Termination             | Rev.1.1  |