

## Coaxial Band-pass Filter

32-40GHz/ 2.92 Female

Model: TLBF-32G-40G-A

TLBF-32G-40G-A is a coaxial band-pass filter with a passband frequency from 32-40GHz and a rejection frequencies @30 and 42.5 GHz. The nominal insertion loss of the filter is 2.0 dB and the typical rejection is 40 dB.

### Features:

- Passband Frequency Range 32-40 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

### Applications:

- Instrumentations
- Radar Systems
- System Integrations

### Electrical Characteristics:

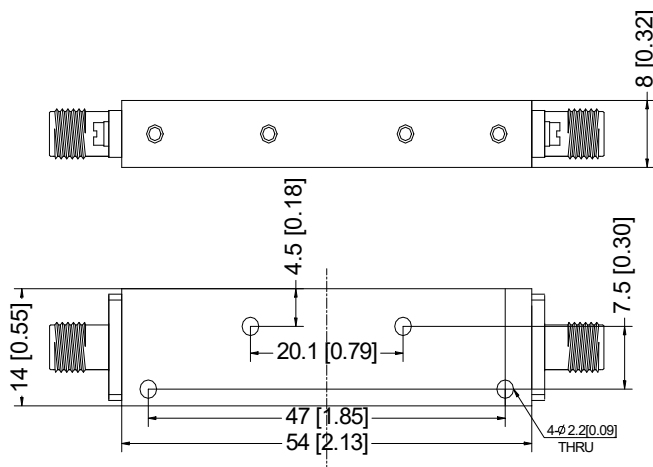
| Parameter                |          | Min | Typ | Max | Units |
|--------------------------|----------|-----|-----|-----|-------|
| Passband Frequency range |          | 32  |     | 40  | GHz   |
| Passband Insertion Loss  |          |     |     | 2.0 | dB    |
| Pass Band Ripple         |          |     |     | 1.8 | dB    |
| Rejection                | @30GHz   | 40  |     |     | dB    |
|                          | @42.5GHz | 40  |     |     |       |
| Power Handling           |          |     |     | 20  | W     |
| Input VSWR               |          |     |     | 2.0 | :1    |
| Output VSWR              |          |     |     | 2.0 | :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;

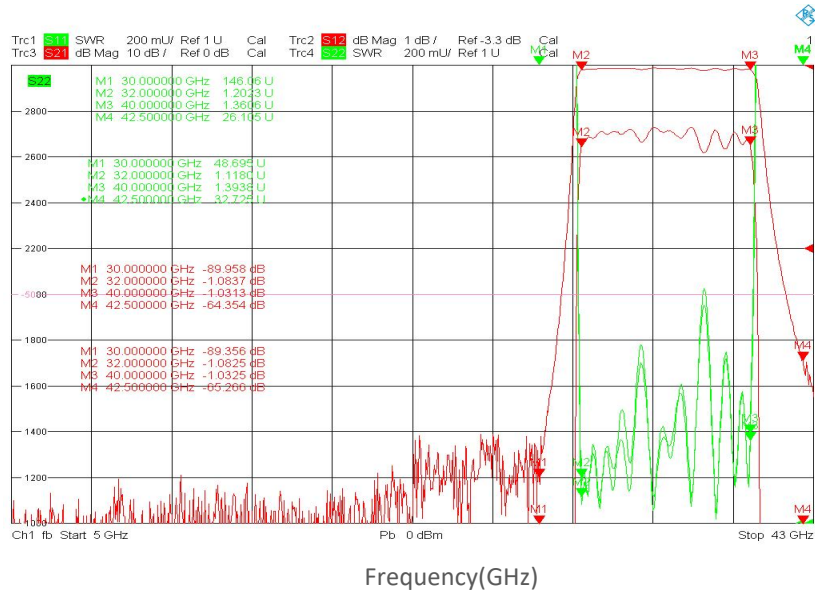


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

## Ordering Information:

| Base Number    | Description                                                                                                  | Revision |
|----------------|--------------------------------------------------------------------------------------------------------------|----------|
| TLBF-32G-40G-A | Coaxial Band-pass Filter, Passband frequency range: 30 to 40GHz, Passband Insertion Loss: 2.0dB, 2.92 Female | Rev.1.0  |

## Typical Performance Data:



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.