

## Coaxial Band-pass Filter

### 2-3.5GHz/ 2.92 Female

**Model: TLBF-2G75-1G5-X(2.92)**

TLBF-2G75-1G5-X(2.92) is a coaxial band-pass filter with a passband frequency from 2 to 3.5GHz and a rejection frequencies from 0 to 1.5GHz and 4.2 to 6GHz. The nominal insertion loss of the filter is 1.5dB and the typical rejection is 40 dB.

#### Features:

- Passband Frequency Range 2 to 3.5GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

#### Electrical Characteristics:

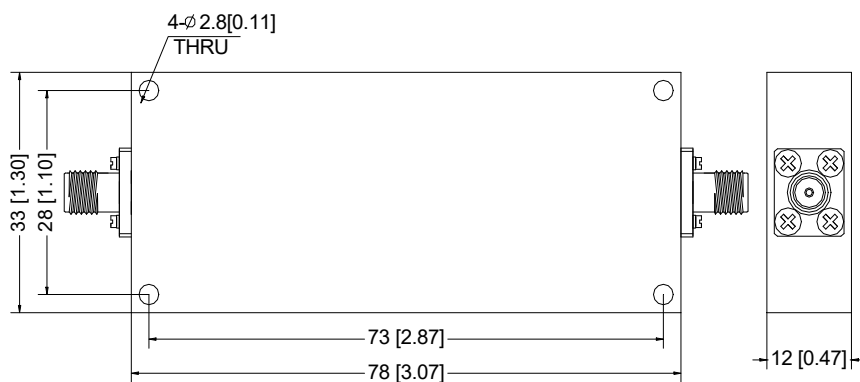
| Parameter                | Min                          | Typ | Max | Units |
|--------------------------|------------------------------|-----|-----|-------|
| Passband Frequency range | 2                            |     | 3.5 | GHz   |
| Passband Insertion Loss  |                              |     | 1.5 | dB    |
| Pass Band Ripple         |                              |     | 1.2 | dB    |
| Rejection                | >40dB@dc-1.5 Ghz<br>4.2-6Ghz |     |     | dB    |
| Power Handling           |                              |     | 10  | W     |
| Input VSWR               |                              |     | 1.8 | :1    |
| Output VSWR              |                              |     | 1.8 | :1    |
| Impedance                | 50                           |     |     | Ohms  |

#### Envrionmental And Physical Characteristics:

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

## Outline Drawing:

Unit:mm;

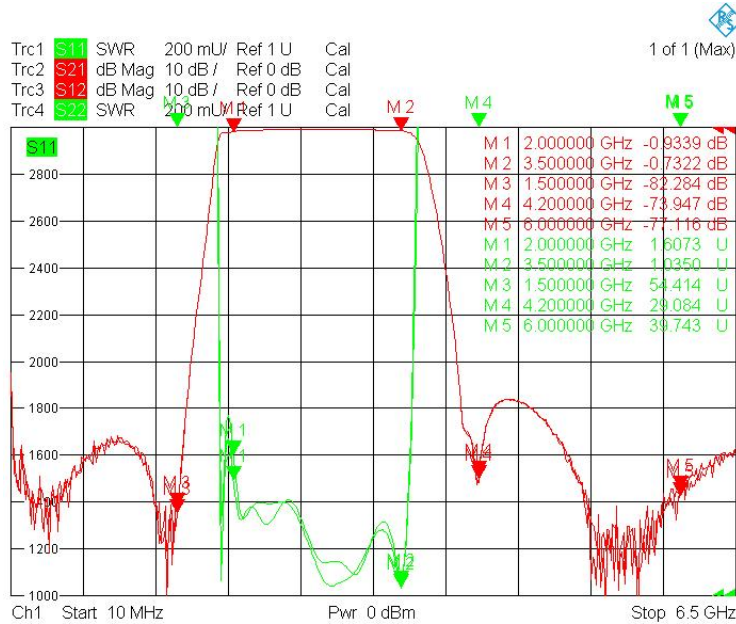


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

## Ordering Information:

| Base Number           | Description                                                                                                  | Revision |
|-----------------------|--------------------------------------------------------------------------------------------------------------|----------|
| TLBF-2G75-1G5-X(2.92) | Coaxial Band-pass Filter, Passband frequency range: 2 to 3.5GHz, Passband Insertion Loss: 1.5dB, 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.