

## Coaxial Band-pass Filter

### 6-6.3 GHz/SMA Female

**Model: TLBF-6G1-200M-E**

TLBF-6G1-200M-E is a coaxial band-pass filter with a passband frequency from 6 to 6.3 GHz and a rejection frequencies from DC-5.8 GHz and 6.4 GHz. The maximum insertion loss of the filter is 1.2 dB and the typical rejection is 40 dB.

#### Features:

- Passband Frequency Range 6 to 6.3 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

#### Electrical Characteristics:

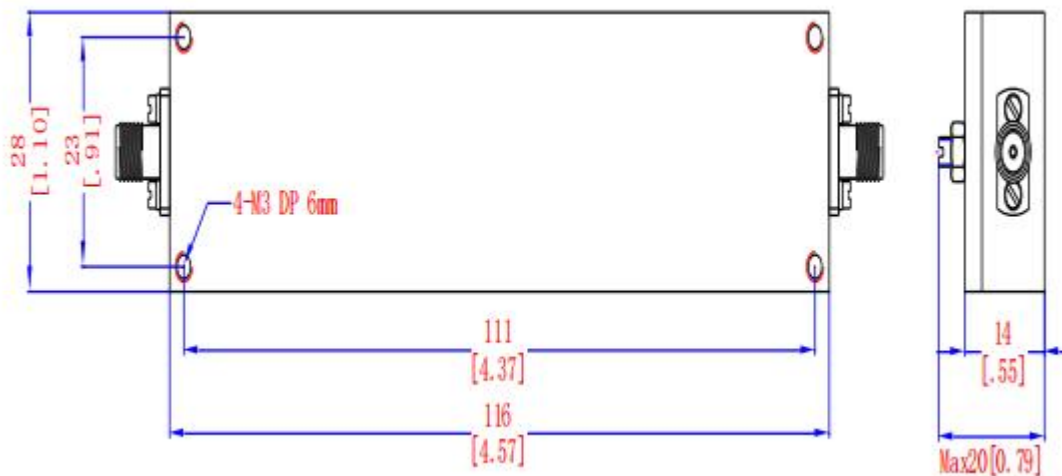
| Parameter                | Min                       | Typ | Max | Units |
|--------------------------|---------------------------|-----|-----|-------|
| Passband Frequency range | 6                         |     | 6.3 | GHz   |
| Passband Insertion Loss  |                           |     | 1.2 | dB    |
| Pass Band Ripple         |                           |     | 1.0 | dB    |
| Rejection                | >40dB@dc-5.8Ghz<br>6.4Ghz |     |     | dB    |
| Power Handling           |                           |     | 15  | W     |
| VSWR                     |                           |     | 1.5 | :1    |
| Impedance                | 50                        |     |     | Ohms  |

#### Envrionmental And Physical Characteristics:

| Description          | Parameter           | Units |
|----------------------|---------------------|-------|
| Operating Temerature | -40 To +70          | °C    |
| Connectors           | SMA Female/SMA Male |       |

Outline Drawing:

Unit:mm



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

### Ordering Information:

| Base Number     | Description                                                                                              | Revision |
|-----------------|----------------------------------------------------------------------------------------------------------|----------|
| TLBF-6G1-200M-E | Coaxial Band-pass Filter, Passband frequency range: 6-6.3GHz, Passband Insertion Loss: 1.2dB, SMA Female | Rev.1.0  |