

## Coaxial Bandpass Filter

### 3.75 GHz/SMA Female/SMA Male

**Model: TLBF-3G75-600M-E-Cryo**

TLBF-3G75-600M-E-Cryo is a coaxial bandpass filter with a passband Center frequency 3.75 GHz . The nominal insertion loss of the filter is 1.2 dB and the typical rejection is 70 dB.

#### Features:

- Passband Center Frequency:3.75 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

#### Electrical Characteristics:

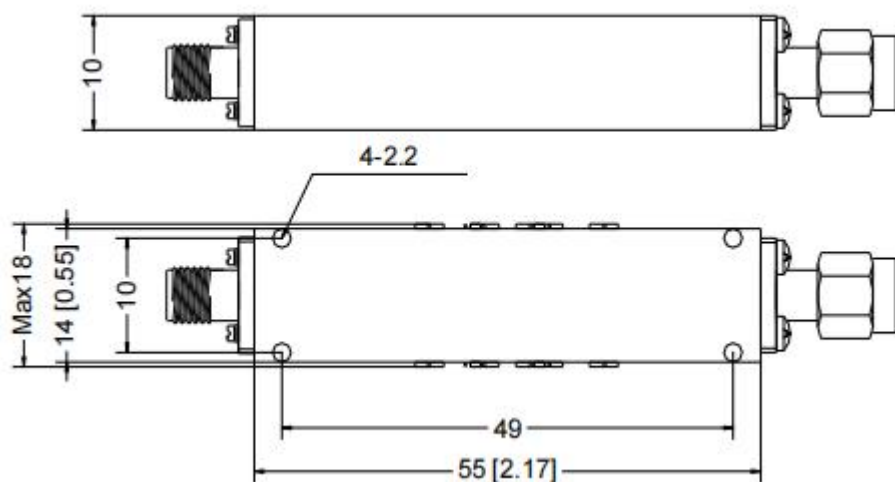
| Parameter                 | Min                         | Typ  | Max | Units |
|---------------------------|-----------------------------|------|-----|-------|
| Passband Center Frequency |                             | 3.75 |     | GHz   |
| Band Width                |                             |      | 600 | MHz   |
| Passband Insertion Loss   |                             |      | 1.2 | dB    |
| Pass Band Ripple          | 0.4                         |      |     | dB    |
| Group Delay Flatness      | 1.3                         |      |     | NS    |
| Rejection                 | >70dB@DC-2.75Ghz<br>4.55Ghz |      |     | dB    |
| Power Handling            |                             |      | 15  | W     |
| Input VSWR                |                             |      | 1.3 | :1    |
| Impedance                 | 50                          |      |     | Ohms  |

#### Envrionmental And Physical Characteristics:

| Description | Parameter           | Units |
|-------------|---------------------|-------|
| Connectors  | SMA Female/SMA Male |       |
| Size        | 55*18*10            | mm    |

## Outline Drawing:

Unit:mm



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

## Ordering Information:

| Base Number           | Description                                                                                                      | Revision |
|-----------------------|------------------------------------------------------------------------------------------------------------------|----------|
| TLBF-3G75-600M-E-Cryo | Coaxial Bandpass Filter, Passband Center Frequency: 3.75GHz, Passband Insertion Loss: 1.2dB, SMA Female/SMA Male | Rev.1.0  |

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.