

## Coaxial High-pass Filter

### 3-13 GHz/SMA Female

**Model: THF-2800-2S**

THF-2800-2S is a coaxial High-pass filter with a passband frequency from 3 to 13 GHz and a rejection frequency from DC to 2.5 GHz. The maximum insertion loss of the filter is 1.2 dB and the minimum rejection is 50 dB.

#### Features:

- Passband Frequency Range 3 to 13GHz
- Low Insertion Loss

#### Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

#### Electrical Characteristics:

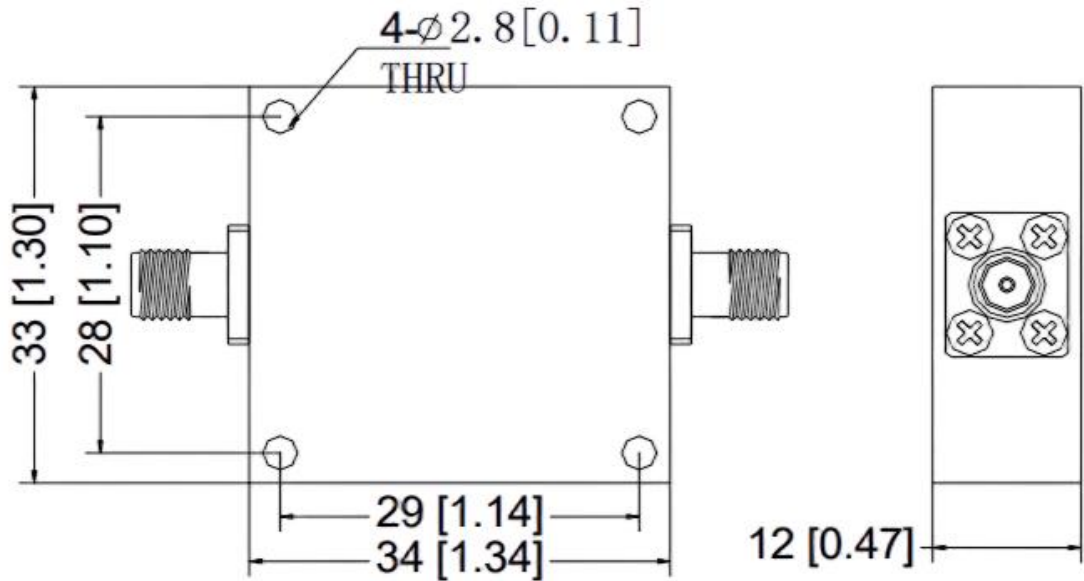
| Parameter                | Min | Typ | Max | Units |
|--------------------------|-----|-----|-----|-------|
| Passband Frequency range | 3   |     | 13  | GHz   |
| Passband Insertion Loss  |     |     | 1.2 | dB    |
| Pass Band Ripple         |     |     | 1.2 | dB    |
| VSWR                     |     |     | 1.5 | :1    |
| Rejection@DC-2.5GHz      | 50  |     |     | dB    |
| Power Handling           |     |     | 10  | W     |
| Impedance                | 50  |     |     | Ohms  |

#### Envrionmental And Physical Characteristics:

| Description          | Parameter  | Units |
|----------------------|------------|-------|
| Operating Temerature | -40 To +70 | °C    |
| Connectors           | SMA Female |       |
| Size                 | 12*33*34   | mm    |

Outline Drawing:

Unit:mm

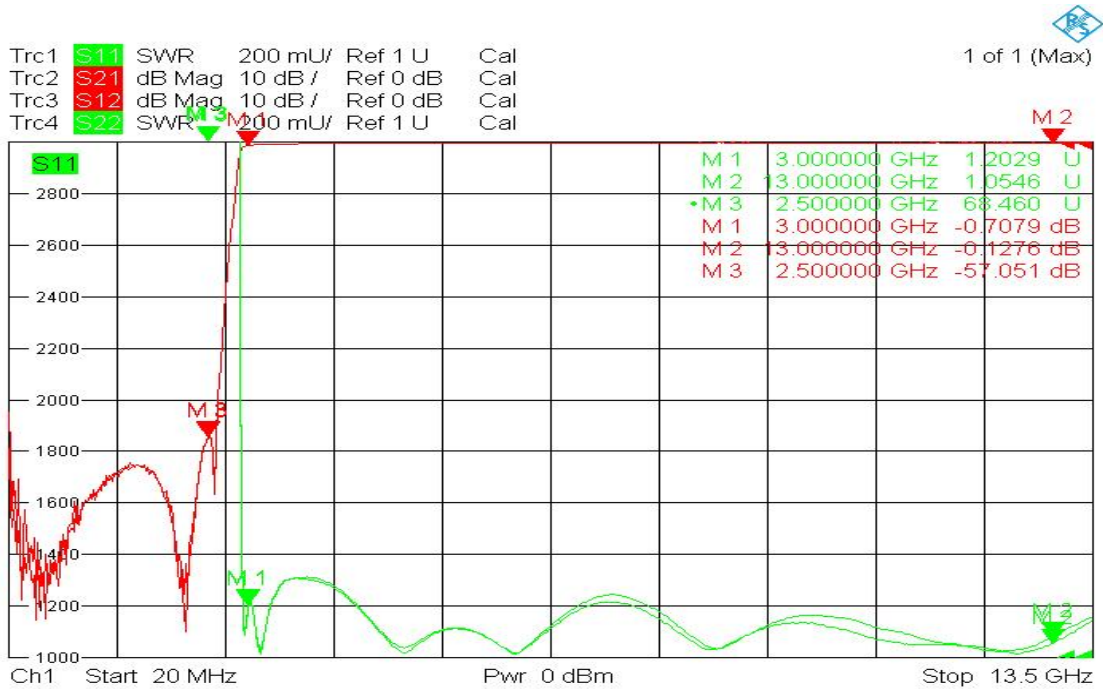


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

| Base Number | Description                                                                                                                       | Revision |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------|----------|
| THF-2800-2S | Coaxial High-pass Filter, Passband frequency range: 3-13GHz, Passband Insertion Loss: 1.2dB, SMA Female Coaxial Fixed Termination | Rev.1.1  |

## 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.