

## Coaxial Band-stop Filter

Stopband: 15.25-16.25GHz

Model: TLRF-1525M-1625M-E

TLRF-1525M-1625M-E is a coaxial band-stop filter with a stop band frequency from 15.25 to 16.25 GHz and a pass band frequency from DC to 1.485GHz and 1.685 to 4.2GHz. The maximum insertion loss of the filter is 2 dB and the minimum rejection is 50 dB.

### Features:

- Stopband Frequency Range 1.525 to 1.625GHz
- Low Insertion Loss
- Lower Cost
- High Rejection

### Applications:

- Communicatin Systems
- Radar Systems
- Sub-assemblies

### Electrical Characteristics:

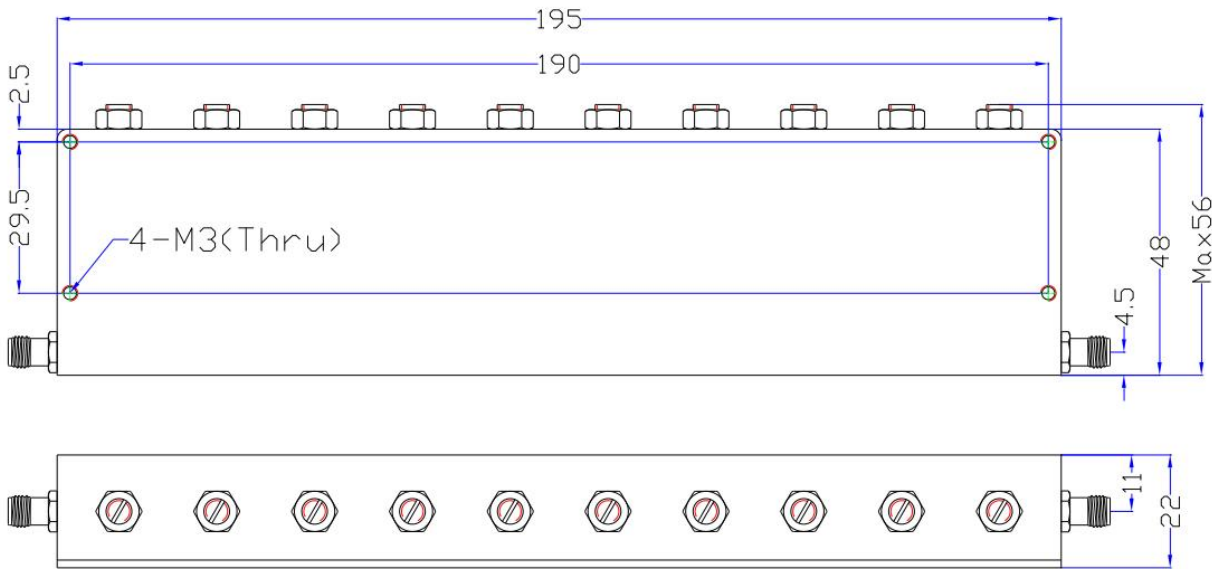
| Parameter                |               | Min                  | Typ | Max   | Units |
|--------------------------|---------------|----------------------|-----|-------|-------|
| Stopband Frequency rang  |               | 1.525                |     | 1.625 | GHz   |
| Passband Frequency range |               | DC-1.485 & 1.685-4.2 |     |       | GHz   |
| Stopband Rejection       |               | 50                   |     |       | dB    |
| Passband Insertion Loss  |               |                      | 1.5 | 2     | dB    |
| Passband VSWR            | @0.7-1.485GHz |                      |     | 1.5   | :1    |
|                          | @1.685-4.2GHz |                      |     | 1.5   |       |
|                          | @DC-0.7Hz     |                      |     | 1.6   |       |
| Power Handling           |               |                      |     | 10    | W     |
| Impedance                |               |                      | 50  |       | Ohms  |

### Envrionmental And Physical Characteristics:

| Description             | Parameter             | Units |
|-------------------------|-----------------------|-------|
| Operating Temperature   | -20 to +60            | °C    |
| Input /Output Connector | SMA-Female/SMA-Female |       |
| Size                    | 195*48*22             | mm    |

Outline Drawing:

Unit:mm



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

Ordering Information:

| Base Number        | Description                                                                                                            | Revision |
|--------------------|------------------------------------------------------------------------------------------------------------------------|----------|
| TLRF-1525M-1625M-E | Coaxial Band-stop Filter, Stopband: 1.525-1.625GHz, Passband: DC-1.485GHz & 1.685-4.2GHz, Stopband rejection: 50dB Min | Rev.1.0  |