

## Equalizer

DC-42GHz /3.1dB,Insertion Loss

Model: TLME-DC42G-3.5

The TLME-DC42G-3.5 is a equalizer. It is a positive gain slope equalizer designed to pass DC to 42GHz. Equalization can be applied to reduce low pass filtering effects in both RF/microwave and high speed digital systems.

### Features:

- Frequency range: DC-42GHz
- Good gain equalization
- Small Size and simple to use
- Excellent return loss

### Applications:

- N/A

## 电气特性 Electrical Characteristics:

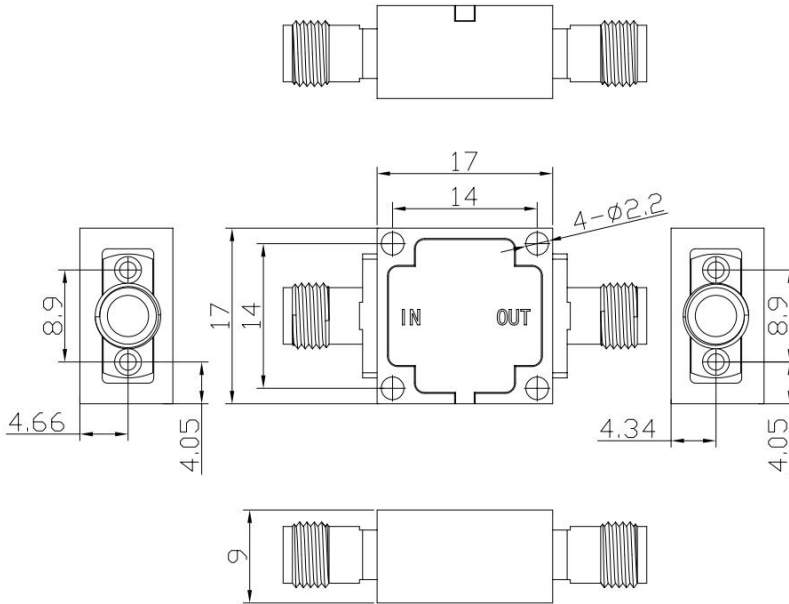
| 参数 Parameter            | Min   | Typ | Max | 单位 Units |
|-------------------------|-------|-----|-----|----------|
| 频率范围 Frequency range    | DC-42 |     |     | GHz      |
| 插损 Insertion Loss@42GHz |       | 3.1 |     | dB       |
| 均衡量 Slope               |       | 3.5 |     | dB       |
| 回波损耗 Rreturn Loss       |       | -20 |     | dB       |
| 阻抗 Impedance            | 50    |     |     | Ohms     |

## 机械特性 Mechanical Specifications:

| 参数 Parameter                    | 指标 Value                    | 单位 Units |
|---------------------------------|-----------------------------|----------|
| 输入/输出接口 Input /Output Connector | 2.92mm Female/2.92mm Female |          |
| 尺寸 Size                         | 17*17*9                     | mm       |

## 外形图 Outline Drawing:

Unit:mm



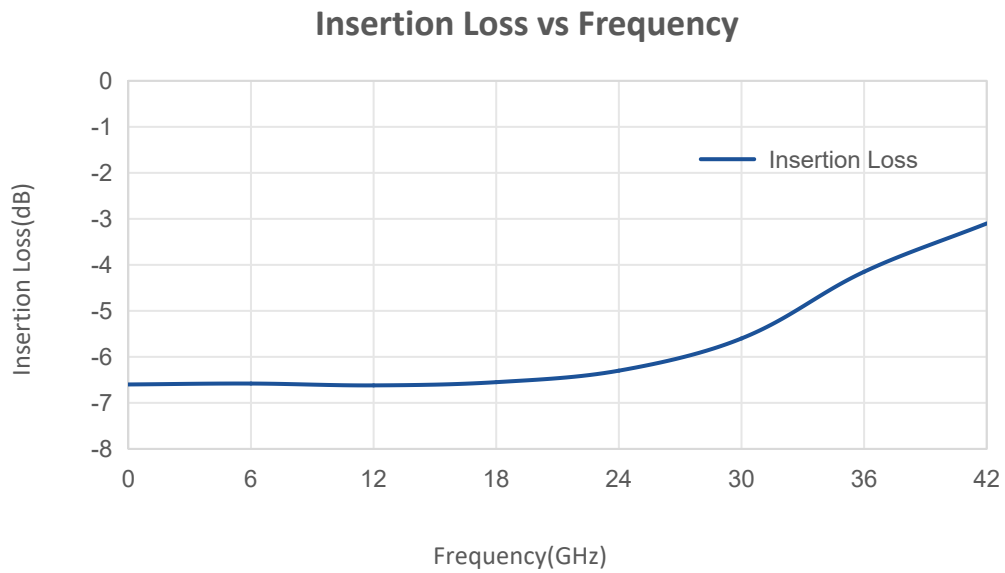
## 温度环境 Environmental Conditions:

| 参数 Parameter                       | Min                                                 | Typ | Max  | 单位 Units |
|------------------------------------|-----------------------------------------------------|-----|------|----------|
| 操作温度 Operating Temperature         | -45                                                 |     | +85  | °C       |
| 存储温度 Non-operating Temperature     | -55                                                 |     | +125 | °C       |
| 相对湿度 Relative humidity             |                                                     | 95  |      | %        |
| 海拔 Altitude                        | 10,000                                              |     |      | feet     |
| 震动 Shock / Vibration(MIL-STD-810F) | 25g rms (15 degree 2KHz) endurance, 1 hour per axis |     |      |          |
| 冲击 Shock(non operating)            | 20G for 11msc half sin wave,3 axis both directions  |     |      |          |

## 订货信息 Ordering Information:

| 标准型号 Base Number | 描述 Description                                     | 版本号 Revision |
|------------------|----------------------------------------------------|--------------|
| TLME-DC42G-3.5   | Equalizer, DC-42GHz,<br>Insertion loss:3.1dB@42GHz | Rev.1.1      |

## 典型曲线 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.