

Model: TLVA0.1G40G-40-10
**Voltage Controlled Attenuator
 0.1-40 GHz, 40 dB Range**
Feature:

- Ultra Wide Band: 0.1-40 GHz
- Attenuation Range: 40 dB Typ
- Insertion Loss: 10 dB Typ
- High Attenuator Accuracy

电气特性 Electrical Specifications:

| 参数 Parameter | Min | Typ | Max | 单位 Units |
|------------------------|--------|-----|-----|----------|
| 频率范围 Frequency range | 0.1-40 | | | GHz |
| 插损 Insertion Loss | | 10 | | dB |
| 衰减范围 Attenuation Range | | 40 | | dB |
| 输入驻波 Input VSWR | | 2.5 | | :1 |
| 输出驻波 Output VSWR | | 2.5 | | :1 |
| 最大输入功率 Input Max Power | | | 26 | dBm |
| 直流电压 DC Voltage | 0 | 10 | | V DC |
| 直流电流 DC Supply Current | | 30 | | mA |
| 阻抗 Impedance | 50 | | | Ohms |

机械特性 Mechanical Specifications:

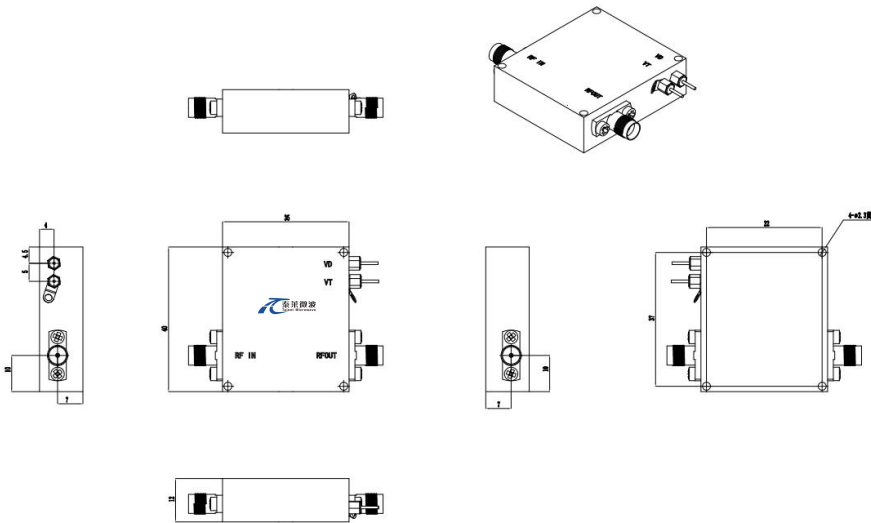
| 参数 Parameter | 指标 Value | 单位 Units |
|---------------------------------|-----------------------------|----------|
| 输入/输出接口 Input /Output Connector | 2.92mm Female/2.92mm Female | |
| 控制连接器 Control Connector | Pin | |
| 尺寸 Size | 35*40*12 | mm |
| 材质 Material | / | |

绝对最大值 Absolute Maximum Ratings:

| 参数 Parameter | 指标 Value |
|------------------------------|----------------------|
| 供电偏置电压 Supply Bias Voltage | TBD |
| 输入功率 RF Input Power | 26 dBm |
| ESD灵敏度 ESD sensitivity (HBm) | Class 0, passed 150V |

外形尺寸 Outline Drawing:

Unit: mm



Note:VD:+5V;VT:0~10V



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

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 | 50,000 | | | 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 Part Number | 描述 Description | 版本号Revision |
|-------------------|--|-------------|
| TLVA0.1G40G-40-10 | Voltage Controlled Attenuator 0.1-40 GHz, 40 dB Range,2.92mm Female | Rev.1.1 |