

## Waveguide to Coax Adapter, Right Angle WR42/2.92mm Female/18-26.5GHz

**Model: TL-42WCAKR-CU**

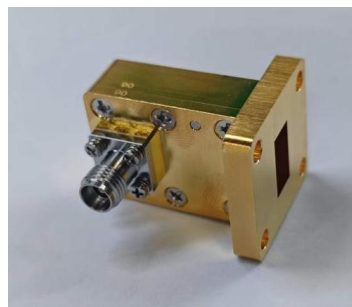
The TL-42WCAKR-CU is right angle waveguide to coax adapters that cover the frequency range of 18 to 26.5GHz. It is designed for an efficient transition between the rectangular waveguide and 2.92 mm coax connector.

### Features:

- Operating Frequency 18 to 26.5GHz
- Lower Insertion Loss and VSWR
- Instrumentation Grade
- DC Short Circuit

### Applications:

- Test Lab
- Instrumentations
- Sub-assemblies



## 电气特性 Electrical Characteristics:

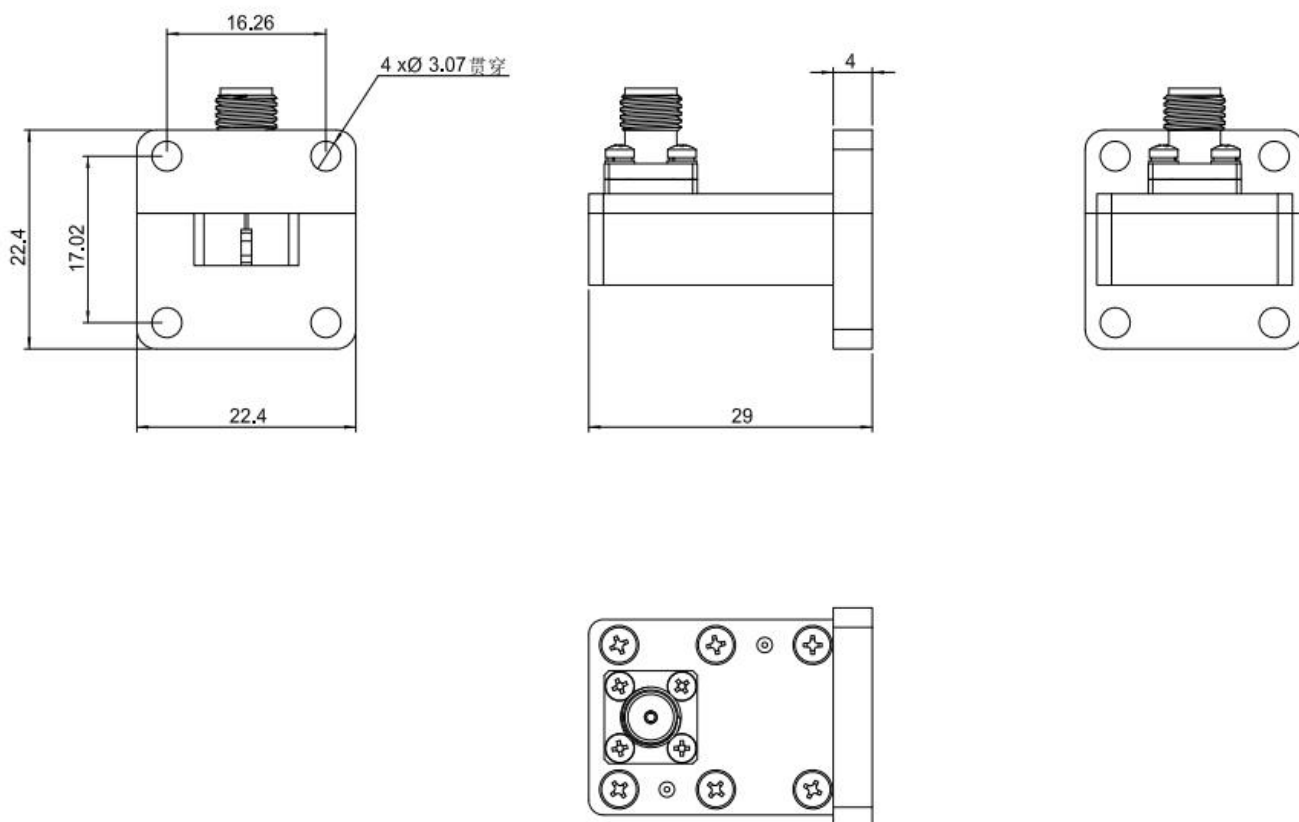
| 参数 Parameter         | Min | Typ | Max  | 单位 Units |
|----------------------|-----|-----|------|----------|
| 频率范围 Frequency Range | 18  |     | 26.5 | GHz      |
| 插损 Insertion Loss    |     | 0.3 | 0.5  | dB       |
| 驻波 VSWR              |     | 1.3 |      | :1       |
| 耐功率 Power Handling   |     |     | 10   | W        |

## 环境和机械特性 Envrionmental And Physical Characteristics:

| 参数 Parameter        | 类型 Description | 单位 Units |
|---------------------|----------------|----------|
| 材质 Material         | Copper         |          |
| 表面处理 Finish         | Gold Plated    |          |
| 同轴接口 Coax Connector | 2.92mm Female  |          |
| 波导 Waveguide        | WR42           |          |

## 外形图 Outline Drawing:

Unit:mm; Tolerance:±0.1mm



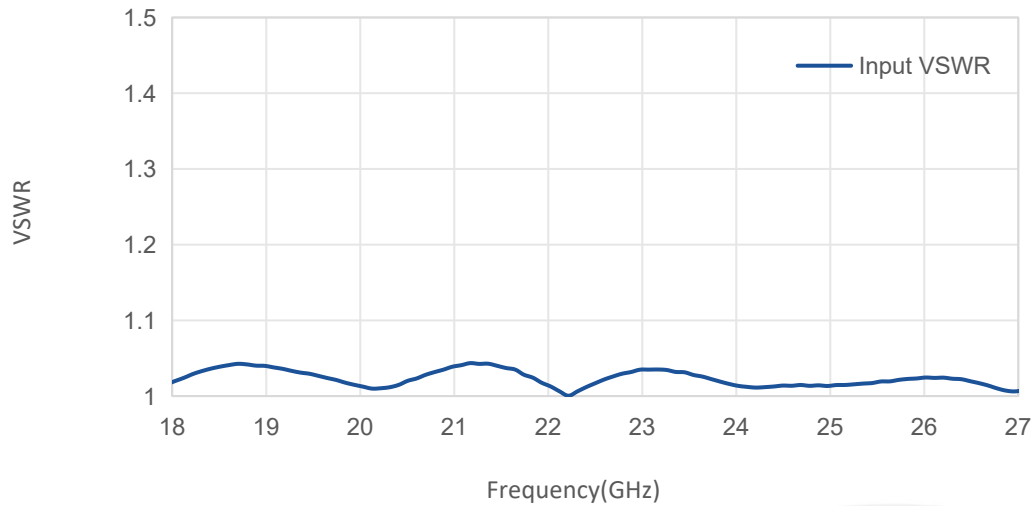
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

## 订货信息 Ordering Information:

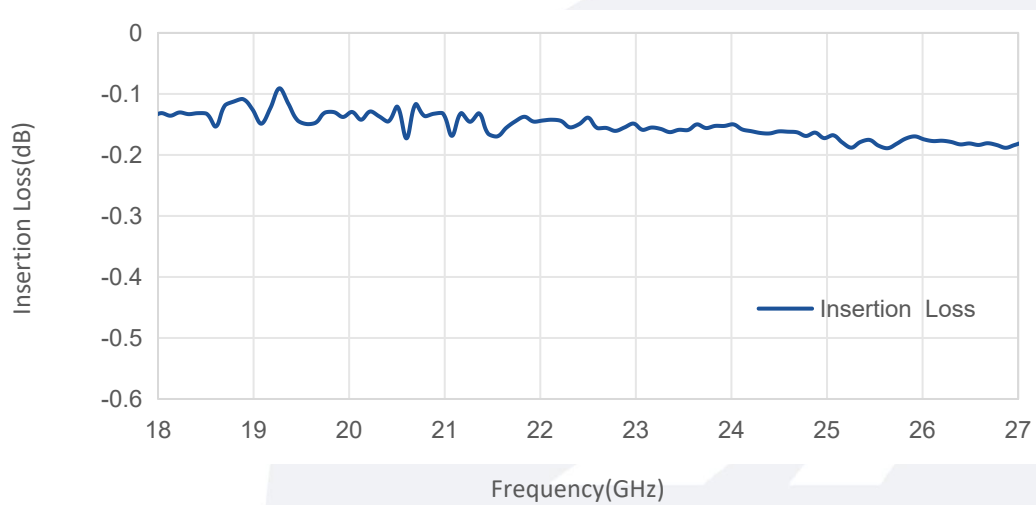
| 标准型号 Base Number | 描述 Description                                                           | 版本号 Revision |
|------------------|--------------------------------------------------------------------------|--------------|
| TL-42WCAKR-CU    | Waveguide to Coax Adapter, Right Angle<br>WR42/2.92mm Female, 18-26.5GHz | Rev.1.0      |

## 典型曲线 Typical Performance Data:

### VSWR vs Frequency



### Insertion Loss vs Frequency



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.