

## Coaxial Fixed Attenuator

2.92mm Female&Male/DC-40GHz

Model:TAXXA2-2.92-40

TAXXA2-2.92-40 is a 1~10/20/30/40 dB coaxial attenuator that is used in millimeterwave systems and operates from DC to 40 GHz.

### Features:

- Operating Frequency DC to 40GHz
- Broadband Coverage
- Lost Cost

### Applications:

- Test Lab
- Instrumentations
- System Integration

### 电气特性 Electrical Characteristics:

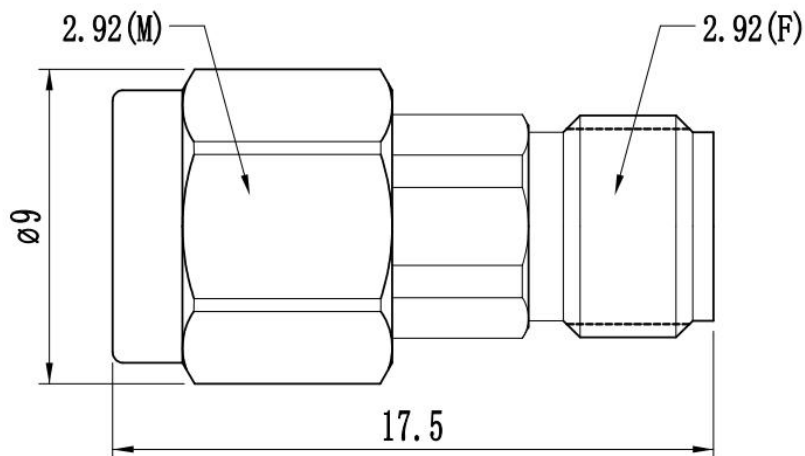
| 参数 Parameter           | Min                                                                        | Typ        | Max | 单位 Units |
|------------------------|----------------------------------------------------------------------------|------------|-----|----------|
| 频率范围 Frequency Range   | DC                                                                         |            | 40  | GHz      |
| 衰减范围 Attenuation Range |                                                                            | 1~10 ± 0.7 |     | dB       |
|                        |                                                                            | 20 ± 0.8   |     |          |
|                        |                                                                            | 30 ± 0.8   |     |          |
|                        |                                                                            | 40 ± 1     |     |          |
| 驻波 VSWR                |                                                                            |            | 1.3 | :1       |
| 阻抗 Impedance           |                                                                            | 50         |     | Ohms     |
| 射频功率值 RF Power Rating  | 2Watts Average at 25°C<br>PEAK: 125 Watts(5 μs pulse width, 1% duty cycle) |            |     |          |

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

| 类型 Description             | 参数 Parameter                 | 单位 Units |
|----------------------------|------------------------------|----------|
| 操作温度 Operating Temperature | -55 To +125                  | °C       |
| 壳体材质 Body Material         | Passivated stainless steel   |          |
| 连接器材质 Connector Material   | Passivated stainless steel   |          |
| 内导体 Inner Conductor        | Gold plated beryllium copper |          |
| 接口 Connectors              | 2.92mm Female/Male           |          |
| 尺寸 Size                    | ø9×17.5                      | mm       |

## 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                                            |
|------------------|-----------------------------------------------------------|
| TA01A2-2.92-40   | Coaxial Fixed Attenuator,<br>DC-40GHz,1±0.7dB Attenuation |
| TA02A2-2.92-40   | Coaxial Fixed Attenuator,<br>DC-40GHz,2±0.7dB Attenuation |
| TA03A2-2.92-40   | Coaxial Fixed Attenuator,<br>DC-40GHz,3±0.7dB Attenuation |
| TA04A2-2.92-40   | Coaxial Fixed Attenuator,<br>DC-40GHz,4±0.7dB Attenuation |
| TA05A2-2.92-40   | Coaxial Fixed Attenuator,<br>DC-40GHz,5±0.7dB Attenuation |
| TA06A2-2.92-40   | Coaxial Fixed Attenuator,<br>DC-40GHz,6±0.7dB Attenuation |

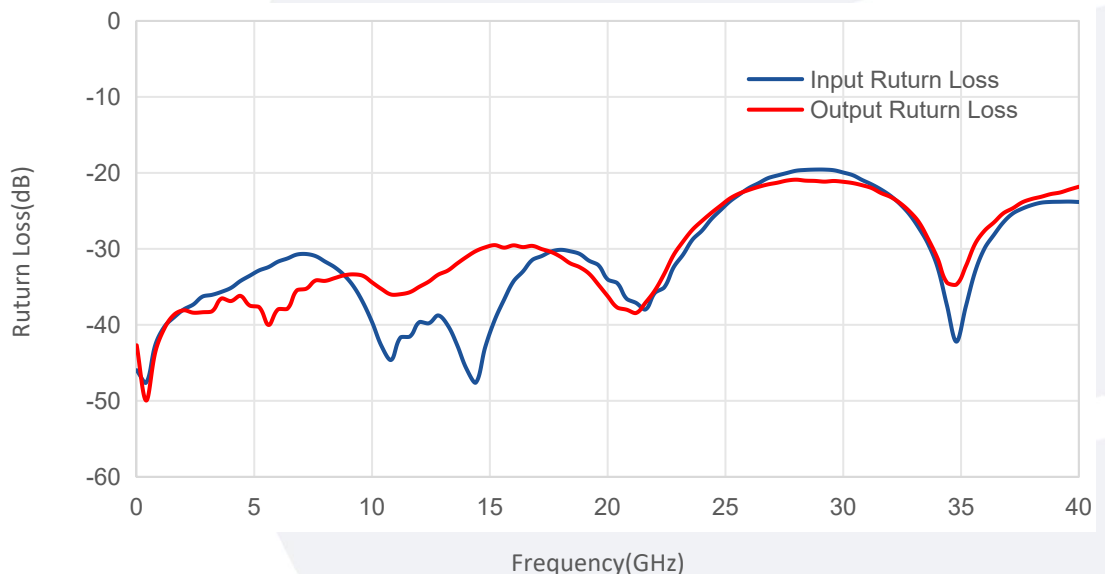
## 订货信息 Ordering Information:

| 标准型号 Base Number | 描述 Description                                                     |
|------------------|--------------------------------------------------------------------|
| TA07A2-2.92-40   | Coaxial Fixed Attenuator,<br>DC-40GHz, $7 \pm 0.7$ dB Attenuation  |
| TA08A2-2.92-40   | Coaxial Fixed Attenuator,<br>DC-40GHz, $8 \pm 0.7$ dB Attenuation  |
| TA09A2-2.92-40   | Coaxial Fixed Attenuator,<br>DC-40GHz, $9 \pm 0.7$ dB Attenuation  |
| TA10A2-2.92-40   | Coaxial Fixed Attenuator,<br>DC-40GHz, $10 \pm 0.7$ dB Attenuation |
| TA20A2-2.92-40   | Coaxial Fixed Attenuator,<br>DC-40GHz, $20 \pm 0.8$ dB Attenuation |
| TA30A2-2.92-40   | Coaxial Fixed Attenuator,<br>DC-40GHz, $30 \pm 0.8$ dB Attenuation |
| TA40A2-2.92-40   | Coaxial Fixed Attenuator,<br>DC-40GHz, $40 \pm 1$ dB Attenuation   |

## 典型曲线 Typical Performance Data:

### TA01A2-2.92-40:

Return Loss vs Frequency

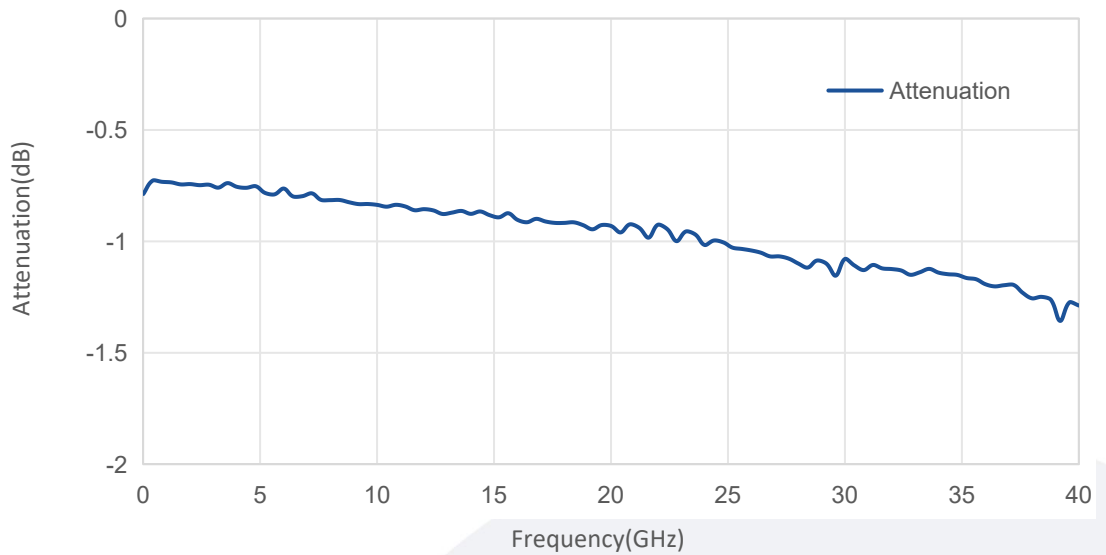


Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

## 典型曲线 Typical Performance Data:

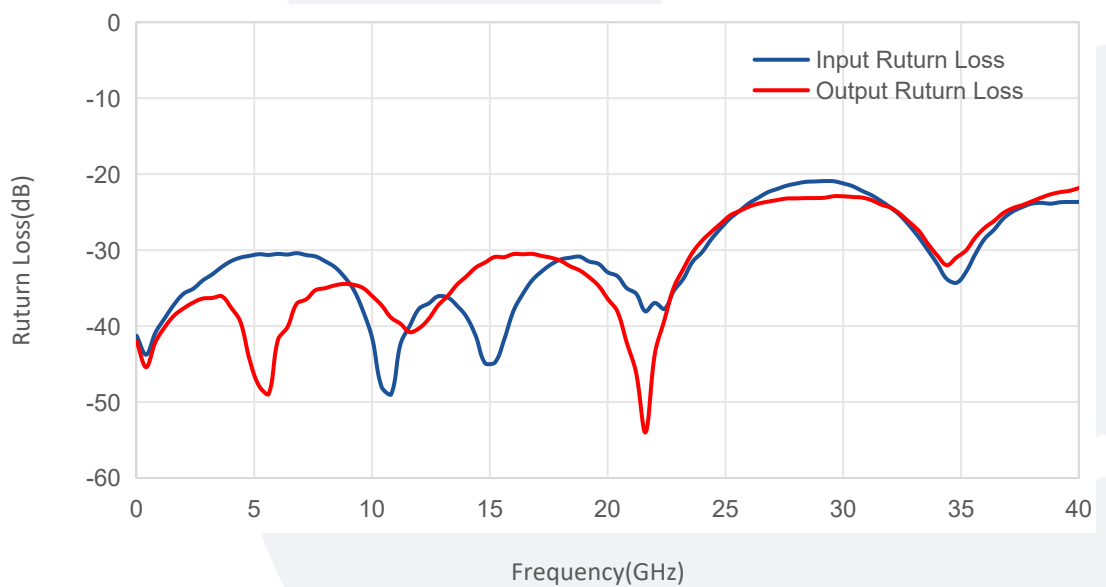
### TA01A2-2.92-40:

#### Attenuation vs Frequency



### TA02A2-2.92-40:

#### Return Loss vs Frequency

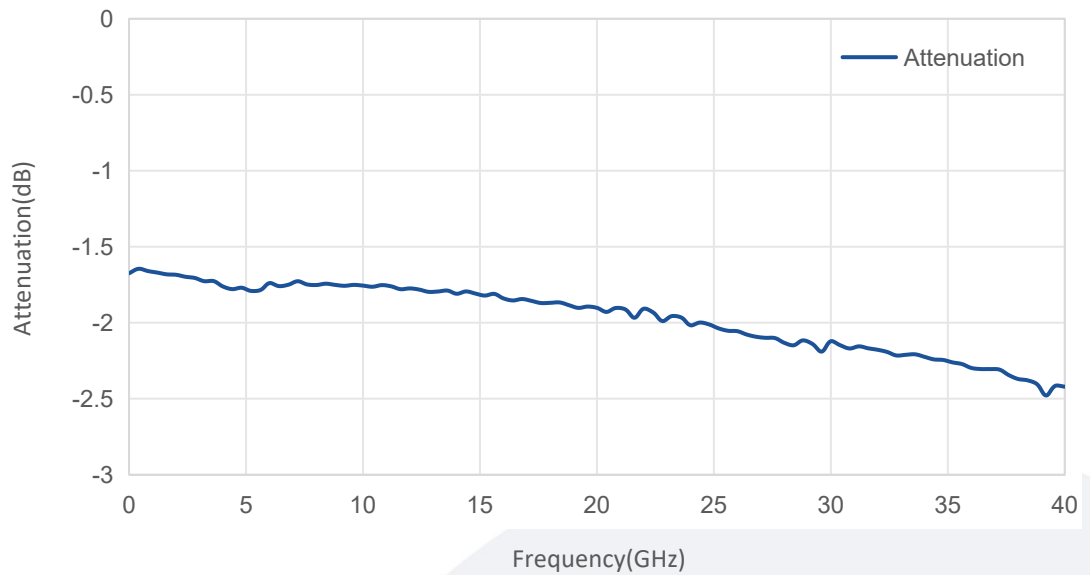


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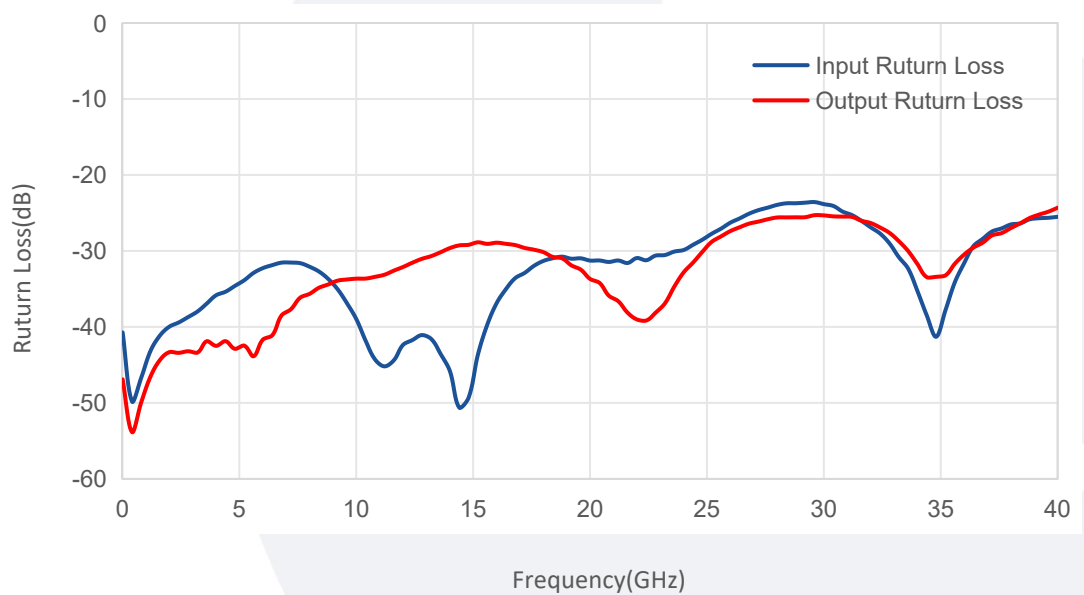
### TA02A2-2.92-40:

#### Attenuation vs Frequency



### TA03A2-2.92-40:

#### Return Loss vs Frequency

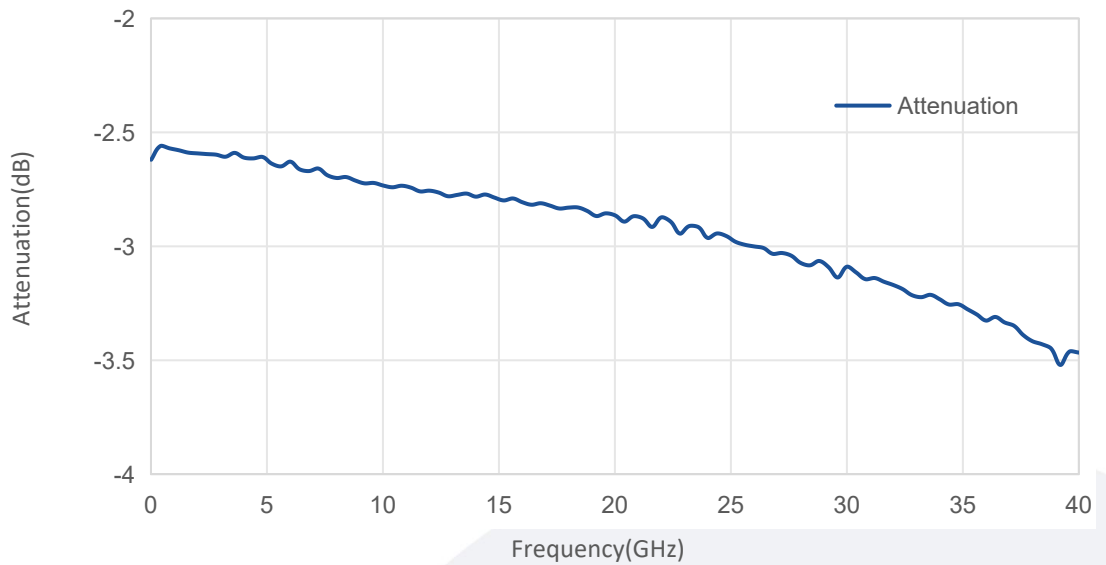


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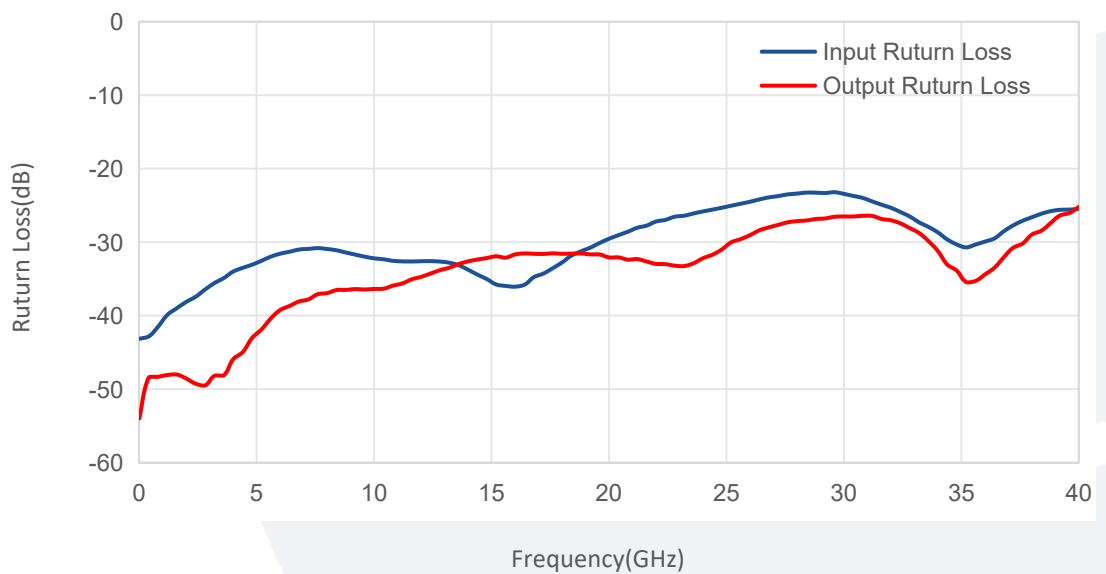
### TA03A2-2.92-40:

Attenuation vs Frequency



### TA06A2-2.92-40:

Return Loss vs Frequency

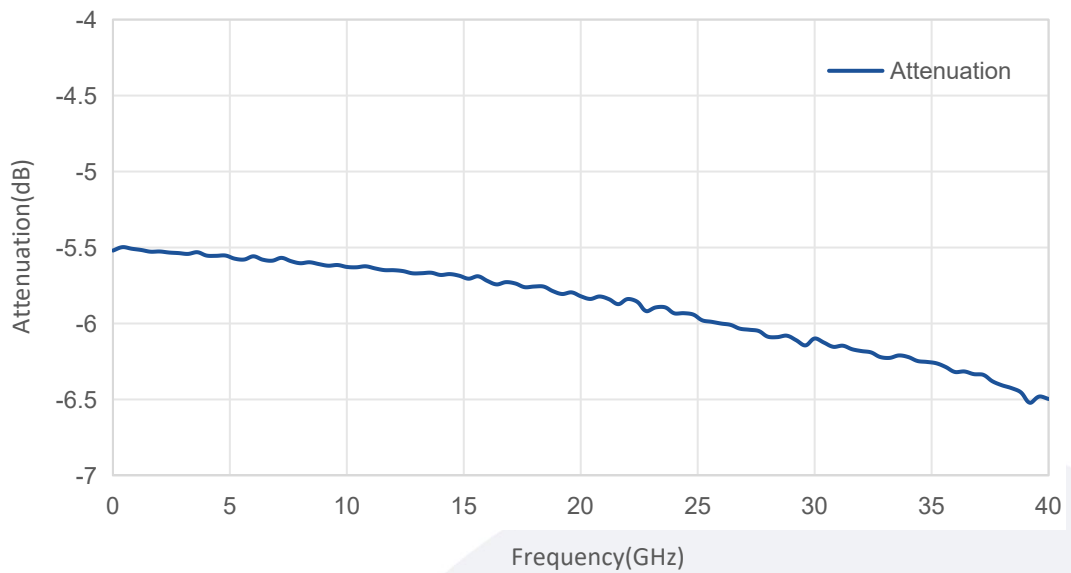


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## 典型曲线 Typical Performance Data:

TA06A2-2.92-40:

Attenuation vs Frequency



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