

## Coaxial Fixed Attenuator

2.92mm Female/DC-40GHz

Model:TAXXA2-2.92-40-F

TAXXA2-2.92-40-F 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

### Electrical Characteristics:

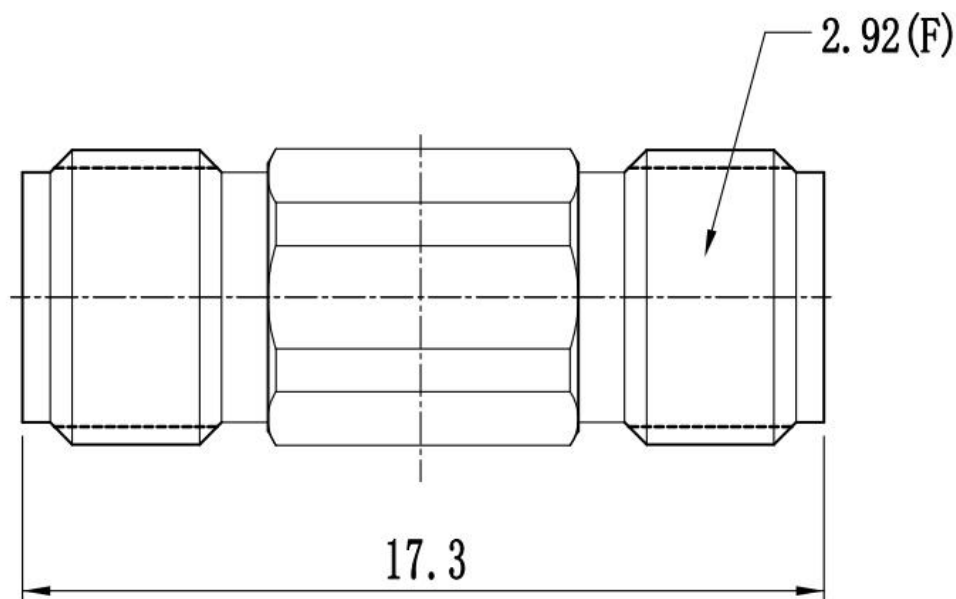
| Parameter         | Min                                                                        | Typ        | Max | Units |
|-------------------|----------------------------------------------------------------------------|------------|-----|-------|
| Frequency Range   | DC                        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

### Envrionmental And Physical Characteristics:

| Description          | Parameter                     | Units |
|----------------------|-------------------------------|-------|
| Operating Temerature | -55 To +125                   | °C    |
| Body Material        | Passivated stainless steel    |       |
| Connector Material   | Passivated stainless steel    |       |
| Inner Conductor      | Gold plated beryllium copper  |       |
| Insulators           | PTFE, Virgin Electrical Grade |       |
| Connectors           | 2.92mm Female                 |       |
| Length               | 17.3                          | mm    |

Outline Drawing:

Unit:mm; Tolerance:±0.1mm



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

## Ordering Information:

| Base Number      | Description                                               |
|------------------|-----------------------------------------------------------|
| TA01A2-2.92-40-F | Coaxial Fixed Attenuator,<br>DC-40GHz,1±0.7dB Attenuation |
| TA02A2-2.92-40-F | Coaxial Fixed Attenuator,<br>DC-40GHz,2±0.7dB Attenuation |
| TA03A2-2.92-40-F | Coaxial Fixed Attenuator,<br>DC-40GHz,3±0.7dB Attenuation |
| TA04A2-2.92-40-F | Coaxial Fixed Attenuator,<br>DC-40GHz,4±0.7dB Attenuation |
| TA05A2-2.92-40-F | Coaxial Fixed Attenuator,<br>DC-40GHz,5±0.7dB Attenuation |

## Ordering Information:

| Base Number      | Description                                                        |
|------------------|--------------------------------------------------------------------|
| TA06A2-2.92-40-F | Coaxial Fixed Attenuator,<br>DC-40GHz, $6 \pm 0.7$ dB Attenuation  |
| TA07A2-2.92-40-F | Coaxial Fixed Attenuator,<br>DC-40GHz, $7 \pm 0.7$ dB Attenuation  |
| TA08A2-2.92-40-F | Coaxial Fixed Attenuator,<br>DC-40GHz, $8 \pm 0.7$ dB Attenuation  |
| TA09A2-2.92-40-F | Coaxial Fixed Attenuator,<br>DC-40GHz, $9 \pm 0.7$ dB Attenuation  |
| TA10A2-2.92-40-F | Coaxial Fixed Attenuator,<br>DC-40GHz, $10 \pm 0.7$ dB Attenuation |
| TA20A2-2.92-40-F | Coaxial Fixed Attenuator,<br>DC-40GHz, $20 \pm 0.8$ dB Attenuation |
| TA30A2-2.92-40-F | Coaxial Fixed Attenuator,<br>DC-40GHz, $30 \pm 0.8$ dB Attenuation |
| TA40A2-2.92-40-F | Coaxial Fixed Attenuator,<br>DC-40GHz, $40 \pm 1$ dB Attenuation   |