

## Coaxial Fixed Attenuator

**SRFS-FAT-2.92-100-10**

**DC-40 GHz, 100 Watts, 2.92mm, Unidirectional, Forced air cooled**

Rev 3

### Features

- Operating to 40GHz and 100W CW power handling
- Specially designed 2.92mm connector with minimized insertion loss and increased power handling
- Efficient and convenient forced air cooling
- Compact, light weight and self-contained design
- Fast delivery, competitive price



### Electrical Specification

<b>Impedance</b>	50 ohm					
<b>Frequency Range</b>	DC-40 GHz					
<b>VSWR</b>	1.4 max					
<b>Input Avg Power</b>	100W@ 25°C ambient, derating linearly to 10W at 125°C					
<b>Peak Power</b>	1000W (5 micro-sec pulse width, 5% duty cycle)					
<b>Direction</b>	Unidirectional, 2.92mm male input, 2.92mm female output (other configurations available)					
<b>Electrical Fan</b>	200-230V @ 50 Hz					
<b>Attenuation(dB)</b>	10	20	30	40	50	60
<b>Accuracy(dB)</b>	-4.0/+4.0	-4.0/+4.0	-4.0/+4.0	-4.0/+4.0	-4.0/+4.0	-4.0/+4.0

### Mechanical

<b>Connector Body</b>	Passivated stainless steel
<b>Heat Sink &amp; Chassis</b>	Black anodized aluminum
<b>Center Contact</b>	1.27um Gold plated BeCu/brass
<b>Weight</b>	Approx 1kg

### Environmental

<b>Operating Temperature</b>	-55°C to 125°C
<b>Storage Temperature</b>	-55°C to 125°C
<b>RoHS</b>	Compliant
<b>Temperature Coefficient</b>	<0.0004 dB/dB/°C

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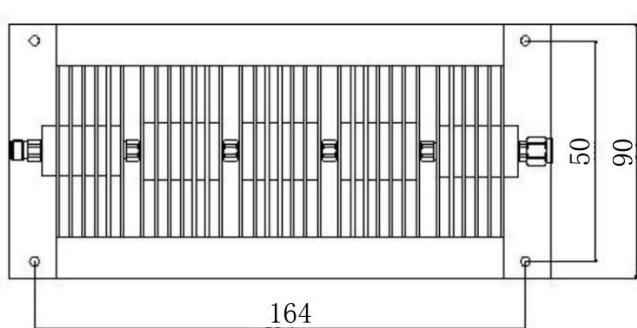
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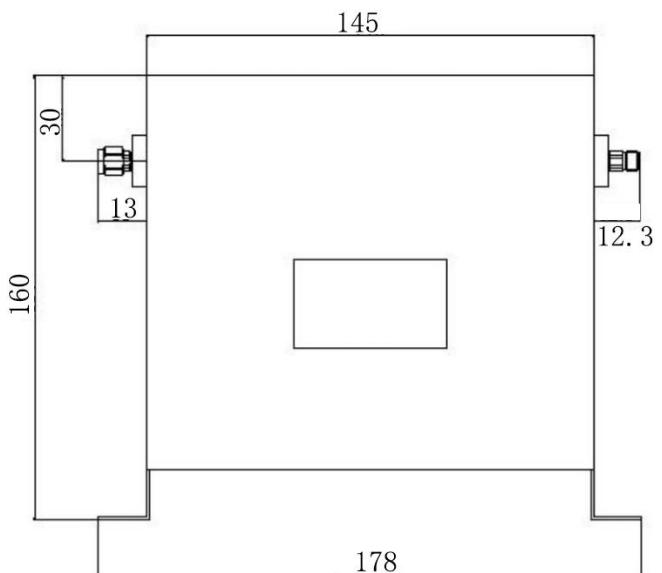
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**Dimensions(mm)**



Attenuator



Chassis with mounting bracket

**Notes**

1. Always pay attention to the direction of attenuators.
2. This attenuator is shipped in a chassis which includes a built-in electrical fan and power cord.
3. Additional transformer and plug adapter available upon request.
4. Switch on the electrical fan once the attenuator is in operation.

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