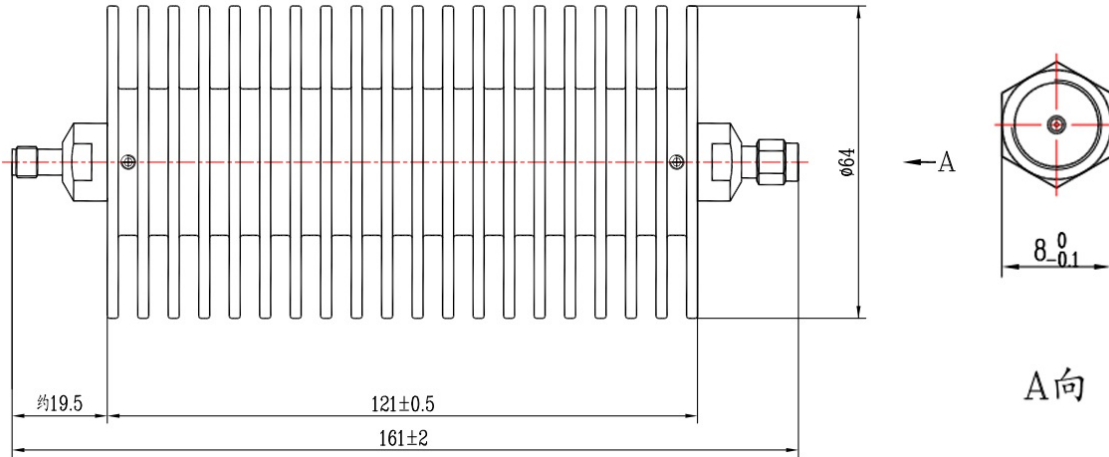




**SMA Coaxial Fixed Attenuator, R12S100U-XX**  
**DC-12.4GHz, 100W, 6-60dB, Unidirectional, Round**

**Dimensions(mm) Tolerance±1%**



Typical Value
<b>RFTOP P/N</b>
R12S100U-6
R12S100U-10
R12S100U-20
R12S100U-30
R12S100U-40
R12S100U-50
R12S100U-60

**Electrical & Environmental**

<b>Frequency Range</b>	DC-12.4GHz	<b>Impedance</b>	50 ohm	<b>VSWR</b>	1.35 max
<b>Input Avg Power</b>	100W @25°C	<b>Peak Power</b>	5kW (5µsec pulse width, 0.5% duty cycle)		
<b>Temp Coefficient</b>	<0.0004 dB/dB/°C	<b>Attenuation</b>	6-60dB, Customizable		
<b>Direction</b>	Unidirectional,SMA male input to SMA female output				

**Mechanical & Product Information**

<b>Product Number</b>	R12S100U-XX, Professional	<b>Connector</b>	SMA
<b>Connector Body</b>	Ternary alloy plated brass	<b>Heat Sink</b>	Black anodized aluminum
<b>Center Contact</b>	Gold plated brass, Gold plated beryllium copper		
<b>Operating Temp</b>	-55°C~+125°C	<b>Net Weight</b>	About 536.0g

**Attenuation&Accuracy(DC-12.4GHz)**

<b>Attenuation(dB)</b>	6-10	20	30	40	50/60
<b>Accuracy(dB)</b>	±0.9	±0.9	±1.0	±1.0	±1.1

**Notes**

1. To maintain best performance, recommended to use fan to keep the case temp under 85°C.
2. Refer to the derating curve for power input,derate linearly to 10 W at 100°C.
3. Always pay attention to the direction of attenuators and note IN/OUT markings.
4. Customized dB values,outlines and optimal accuracy & VSWR available.

