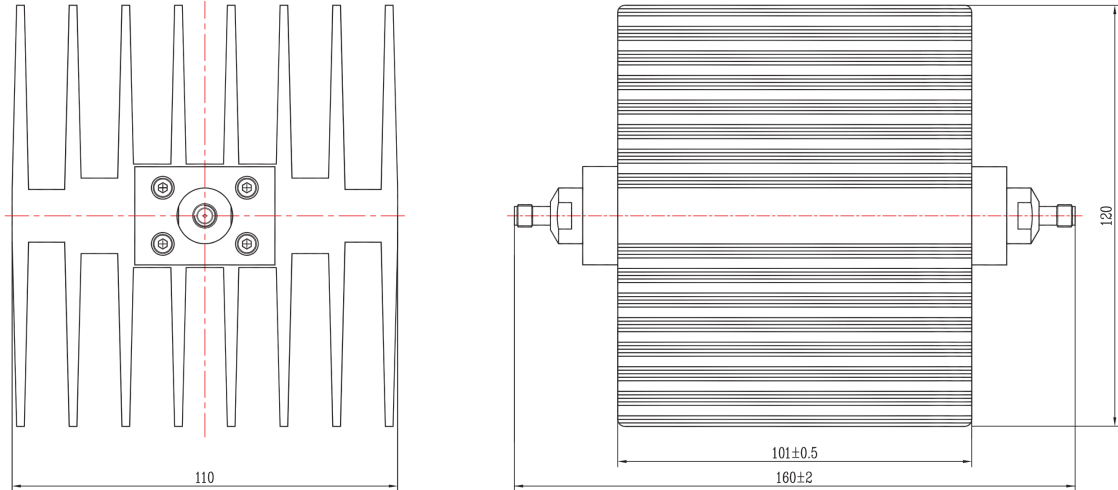


## SMA Coaxial Fixed Attenuator, R12S100A-XX DC-12.4GHz, 100W, 6-60dB, Bidirectional, Rectangular

### Dimensions(mm) Tolerance±1%



### Electrical & Environmental

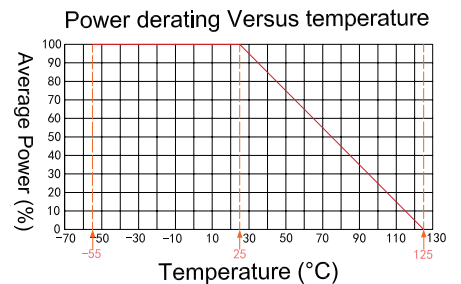
<b>Frequency Range</b>	DC-12.4GHz , 50Ohms
<b>VSWR</b>	1.35 Max
<b>Input Avg Power</b>	100W @25°C
<b>Peak Power</b>	1kW (5μsec pulse width, 5% duty cycle)
<b>Temp Coefficient</b>	<0.0004 dB/dB/°C
<b>Direction</b>	Bidirectional, SMA female to SMA female
<b>Attenuation</b>	6-60dB
<b>Operating Temp</b>	-55°C~+125°C

Product Selection, Customizable		
RFTOP P/N	ATTEN	Accuracy
R12S100A-6	6 dB	±1.5 dB
R12S100A-10	10 dB	±1.5 dB
R12S100A-20	20 dB	±2.0 dB
R12S100A-30	30 dB	±1.0 dB
R12S100A-40	40 dB	±1.0 dB
R12S100A-50	50 dB	±1.1 dB
R12S100A-60	60 dB	±1.1 dB

### Mechanical & Product Information

<b>Product Number</b>	R12S100A-XX
<b>Product Type</b>	Coaxial Fixed Attenuator, P-Grade
<b>Connector</b>	SMA female, SMA female
<b>Connector Body</b>	Passivated stainless steel
<b>Center Contact</b>	Gold plated beryllium copper
<b>Heat Sink</b>	Black anodized aluminum
<b>Net Weight</b>	About 1.5kg

**Notes:** Pay attention to input/output. To ensure longevity and performance, do not use at full power for a long time. Peak power, pulse width, and duty cycle need to meet the requirements. Input high power, require heat dissipation, maintain temperature within 80°C. Reference Curve, derate linearly to 10W at 100°C.



1. Customized connectors, dimensions, directionality, PIM, dB values.

2. Refer to the RFTOP attenuator selection and usage guide.