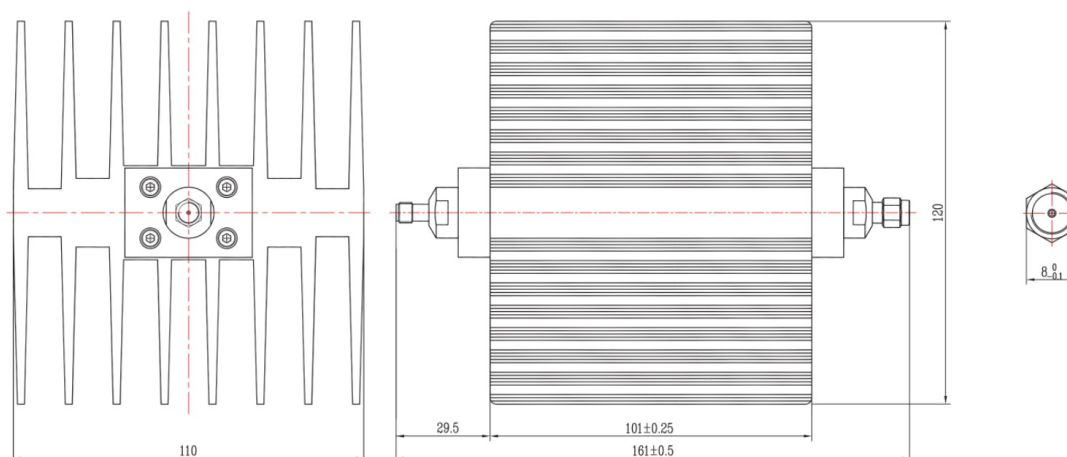




SMA Coaxial Fixed Attenuator, R18S100UA-XX DC-18GHz, 100W, 6-60dB, Unidirectional, Rectangular

Dimensions(mm) Tolerance $\pm 1\%$



Electrical & Environmental

Frequency Range	DC-18GHz , 50Ohms
VSWR	1.45 Max
Input Avg Power	100W @25°C
Peak Power	1kW (5μsec pulse width, 5% duty cycle)
Temp Coefficient	<0.0004 dB/dB/°C
Direction	Unidirectional, SMA male input to SMA female output
Attenuation	6-60dB
Operating Temp	-55°C~+100°C

Product Selection, Customizable

RFTOP P/N	Values	Accuracy
R18S100UA-6	6dB	$\pm 1.5\text{dB}$
R18S100UA-10	10dB	$\pm 1.5\text{dB}$
R18S100UA-20	20dB	$\pm 1.5\text{dB}$
R18S100UA-30	30dB	$\pm 1.3\text{dB}$
R18S100UA-40	40dB	$\pm 1.3\text{dB}$
R18S100UA-50	50dB	$\pm 1.3\text{dB}$
R18S100UA-60	60dB	$\pm 1.4\text{dB}$

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.

Mechanical & Product Information

Product Number	R18S100UA-XX
Product Type	Coaxial Fixed Attenuator, P-Grade
Connector	SMA male, SMA female
Connector Body	Passivated stainless steel
Center Contact	Gold plated brass, Gold plated beryllium copper
Heat Sink	Black anodized aluminum
Net Weight	About 1.4kg

1. Customized connectors, dimensions, directionality, PIM, dB values.
2. Refer to the RFTOP attenuator selection and usage guide.

Power derating Versus temperature

