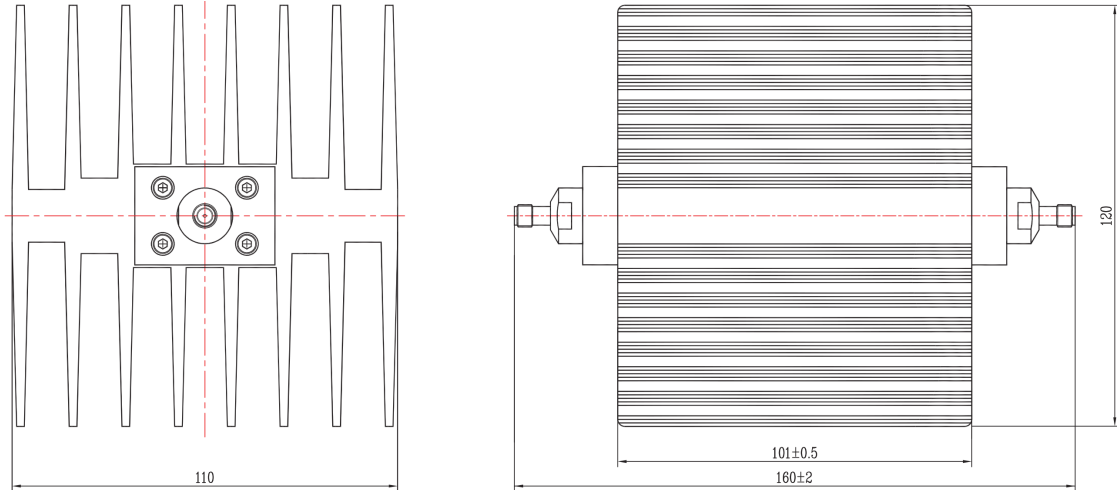




SMA Coaxial Fixed Attenuator, R18S100A-XX DC-18GHz, 100W, 6-60dB, Bidirectional, Rectangular

Dimensions(mm) Tolerance±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	Bidirectional, SMA female to SMA female
Attenuation	6-60dB
Operating Temp	-55°C~+125°C

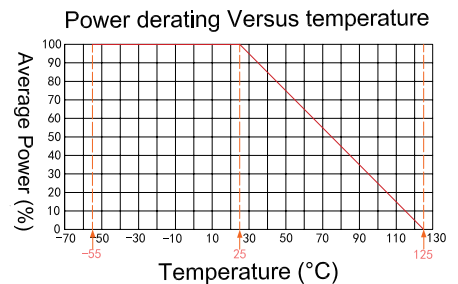
Product Selection, Customizable

RFTOP P/N	ATTEN	Accuracy
R18S100A-6	6 dB	±2.0 dB
R18S100A-10	10 dB	±2.0 dB
R18S100A-20	20 dB	±2.5 dB
R18S100A-30	30 dB	±1.3 dB
R18S100A-40	40 dB	±1.3 dB
R18S100A-50	50 dB	±1.4 dB
R18S100A-60	60 dB	±1.4 dB

Mechanical & Product Information

Product Number	R18S100A-XX
Product Type	Coaxial Fixed Attenuator, P-Grade
Connector	SMA female, SMA female
Connector Body	Passivated stainless steel
Center Contact	Gold plated beryllium copper
Heat Sink	Black anodized aluminum
Net Weight	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.