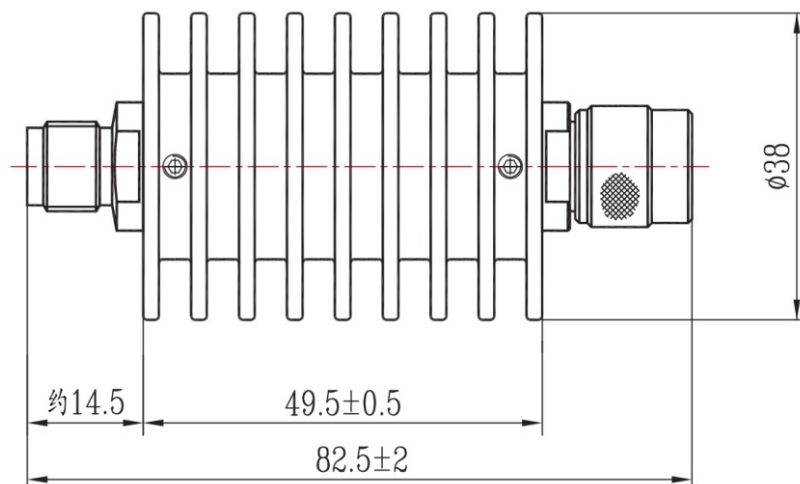




TNC Coaxial Fixed Attenuator, R8T20-XX DC-8.5GHz, 20W, 1-40dB, Unidirectional, Round

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



Electrical & Environmental

Frequency Range	DC-8.5GHz , 50ohms
VSWR	1.25 Max
Input Avg Power	20W @25°C
Peak Power	500W (5μsec pulse width, 1% duty cycle)
Temp Coefficient	<0.0004 dB/dB/°C
Direction	Unidirectional, TNC male input to TNC female output
Attenuation	1-40dB
Operating Temp	-55°C~+125°C

Product Selection, Customizable

RFTOP P/N	ATTEN	Accuracy
R8T20-3	3 dB	± 0.5 dB
R8T20-6	6 dB	± 0.5 dB
R8T20-10	10 dB	± 0.5 dB
R8T20-20	20 dB	± 0.6 dB
R8T20-30	30 dB	± 0.8 dB
R8T20-40	40 dB	± 0.8 dB

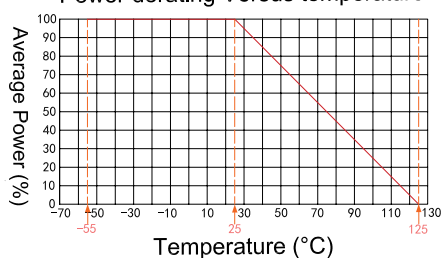
Notes: Pay attention to input/output. To ensure longevity and performance, do not use at full power for a long time. Peak power, pulse width, and duty cycle need to meet the requirements. Input high power, require heat dissipation, maintain temperature within 60°C. Reference Curve, derate linearly to 2W at 100°C.

Mechanical & Product Information

Product Number	R8T20-XX
Product Type	Coaxial Fixed Attenuator, P-Grade
Connector	TNC male, TNC female
Connector Body	Ternary alloy plated brass
Center Contact	Gold plated brass, Gold plated beryllium copper
Heat Sink	Black anodized aluminum
Net Weight	About 115.0g

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

Power derating Versus temperature





TNC Coaxial Fixed Attenuator, **R8T20-XX** DC-8.5GHz, 20W, 1-40dB, Unidirectional, Round

Typical Test Data

