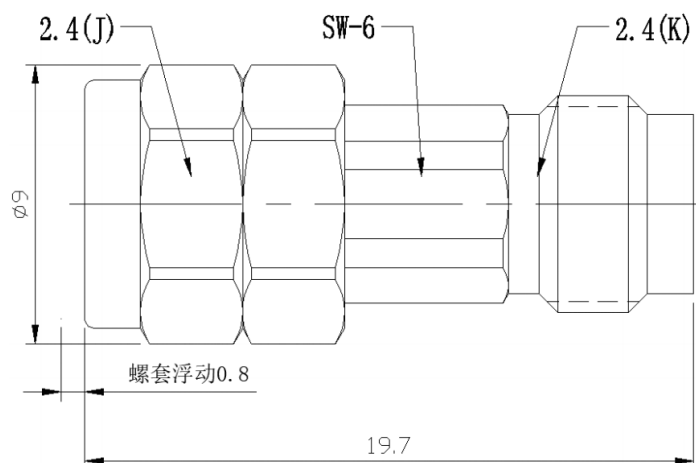


2.4mm Coaxial Fixed Attenuator, R502X-XX DC-50GHz, 2W, 1-30dB, Bidirectional, Round

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



Electrical & Environmental

Frequency Range	DC-50GHz , 50Ohms
VSWR	1.3 Max
Input Avg Power	2W @25°C
Peak Power	20W (5μsec pulse width, 0.5% duty cycle)
Temp Coefficient	<0.0004 dB/dB/°C
Direction	Bidirectional, 2.4mm male to 2.4mm female
Attenuation	1-30dB
Operating Temp	-55°C~+125°C

Product Selection, Customizable

RFTOP P/N	ATTEN	Accuracy
R502X-3	3 dB	± 1.0 dB
R502X-6	6 dB	± 1.0 dB
R502X-10	10 dB	± 1.0 dB
R502X-20	20 dB	+1.2/-1.0 dB
R502X-30	30 dB	+1.2/-1.0 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 0.2W at 100°C.

Mechanical & Product Information

Product Number	R502X-XX
Product Type	Coaxial Fixed Attenuator, P-Grade
Connector	2.4mm male, 2.4mm female
Connector Body	Passivated stainless steel
Center Contact	1.27μm Gold plated brass & beryllium copper
Heat Sink	N/A
Net Weight	About 4.0g

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

Power derating Versus temperature

