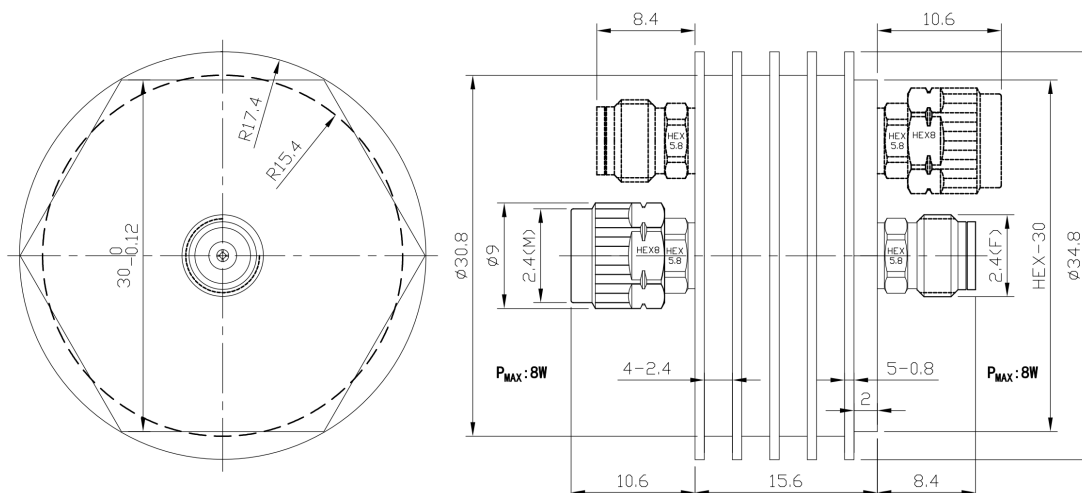




2.4mm Coaxial Fixed Attenuator, R508-XX DC-50GHz, 8W, 1-40dB, Bidirectional, Round

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



Electrical & Environmental

Frequency Range	DC-50GHz , 50Ohms
VSWR	1.34 Max
Input Avg Power	8W @25°C
Peak Power	100W (5 μ sec pulse width, 3% duty cycle)
Temp Coefficient	<0.0004 dB/dB/°C
Direction	Bidirectional, 2.4mm male to 2.4mm female
Attenuation	1-40dB
Operating Temp	-55°C~+100°C

Product Selection, Customizable

RFTOP P/N	ATTEN	Accuracy
R508-3	3 dB	+1.0/-0.7 dB
R508-6	6 dB	+1.2/-0.8 dB
R508-10	10 dB	± 0.8 dB
R508-20	20 dB	± 0.8 dB
R508-30	30 dB	+1.2/-0.9 dB
R508-40	40 dB	+1.2/-0.9 dB

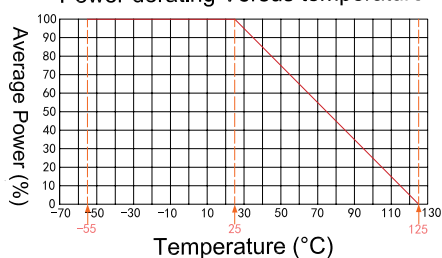
Notes: Pay attention to input/output. To ensure longevity and performance, do not use at full power for a long time. Peak power, pulse width, and duty cycle need to meet the requirements. Input high power, require heat dissipation, maintain temperature within 60°C. Reference Curve, derate linearly to 0.8W at 100°C.

Mechanical & Product Information

Product Number	R508-XX
Product Type	Coaxial Fixed Attenuator, U-Grade
Connector	2.4mm male, 2.4mm female
Connector Body	Passivated stainless steel
Center Contact	1.27 μ m Gold plated beryllium copper
Heat Sink	Black anodized aluminum
Net Weight	About 38.0g

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

Power derating Versus temperature





2.4mm Coaxial Fixed Attenuator, **R508-XX** DC-50GHz, 8W, 1-40dB, Bidirectional, Round

Typical Test Data

