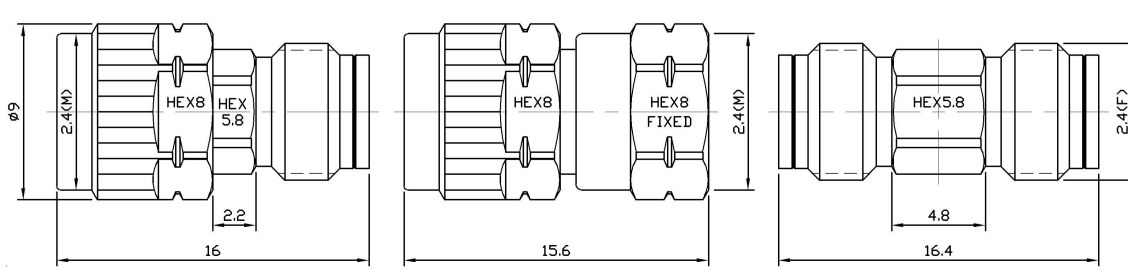


2.4mm Coaxial Fixed Attenuator, R502-XX DC-50GHz, 2W, 1-40dB, Bidirectional, Round



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



Electrical & Environmental

Frequency Range	DC-50GHz , 50Ohms
VSWR	1.3 Max
Input Avg Power	2W @25°C
Peak Power	100W (5μsec pulse width, 1% 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~-+125°C

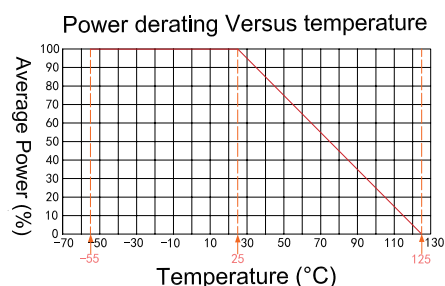
Product Selection, Customizable

RFTOP P/N	ATTEN	Accuracy
R502-3	3 dB	+0.9/-0.6 dB
R502-5	5 dB	+1.0/-0.7 dB
R502-6	6 dB	+1.0/-0.7 dB
R502-10	10 dB	± 0.8 dB
R502-20	20 dB	± 0.8 dB
R502-30	30 dB	+1.0/-0.9 dB
R502-40	40 dB	+1.0/-0.9 dB

Mechanical & Product Information

Product Number	R502-XX
Product Type	Coaxial Fixed Attenuator, U-Grade
Connector	2.4mm male, 2.4mm female
Connector Body	Passivated stainless steel
Center Contact	1.27μm Gold plated beryllium copper
Heat Sink	N/A
Net Weight	About 3.5g

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.



1. Customized connectors, dimensions, directionality, PIM, dB values.

2. Refer to the RFTOP attenuator selection and usage guide.

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Typical Test Data

