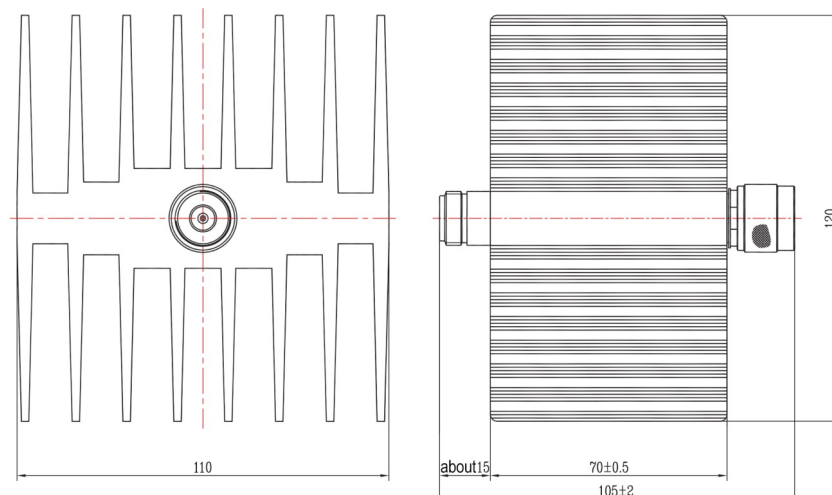




N Coaxial Fixed Attenuator, R6N50UA-XX

DC-6GHz, 50W, 1-60dB, Unidirectional, Rectangular

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



Electrical & Environmental

Frequency Range	DC-6GHz , 50Ohms
VSWR	1.25 Max
Input Avg Power	50W @25°C
Peak Power	800W (5 μ sec pulse width, 3% duty cycle)
Temp Coefficient	<0.0004 dB/dB/°C
Direction	Unidirectional, N male input to N female output
Attenuation	1-60dB
Operating Temp	-55°C~+100°C

Product Selection, Customizable

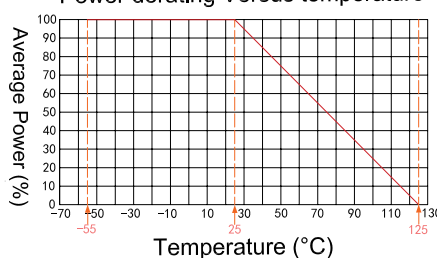
RFTOP P/N	Values	Accuracy
R6N50UA-3	3dB	± 0.5 dB
R6N50UA-6	6dB	± 0.5 dB
R6N50UA-10	10dB	± 0.5 dB
R6N50UA-20	20dB	± 0.6 dB
R6N50UA-30	30dB	± 0.8 dB
R6N50UA-40	40dB	± 0.8 dB
R6N50UA-50	50dB	± 0.8 dB
R6N50UA-60	60dB	± 1.0 dB

Mechanical & Product Information

Product Number	R6N50UA-XX
Product Type	Coaxial Fixed Attenuator, P-Grade
Connector	N male, N female
Connector Body	Ternary alloy plated brass
Center Contact	Gold plated brass, Gold plated beryllium copper
Heat Sink	Black anodized aluminum
Net Weight	About 1.1kg

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 5W at 100°C.

Power derating Versus temperature



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

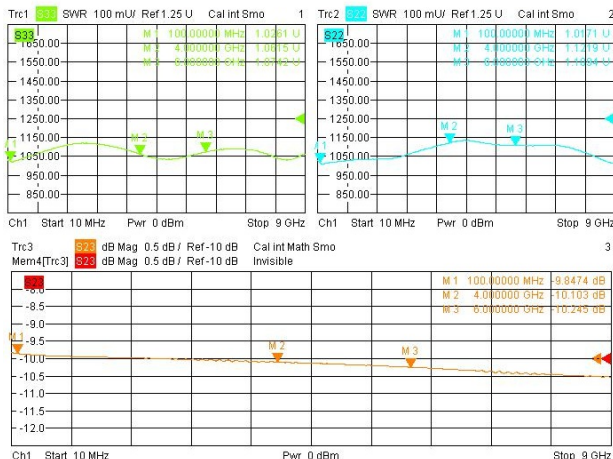


N Coaxial Fixed Attenuator, R6N50UA-XX

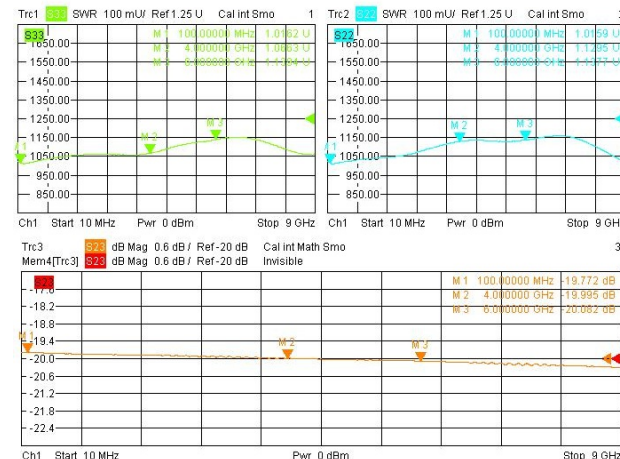
DC-6GHz, 50W, 1-60dB, Unidirectional, Rectangular

Typical Test Data

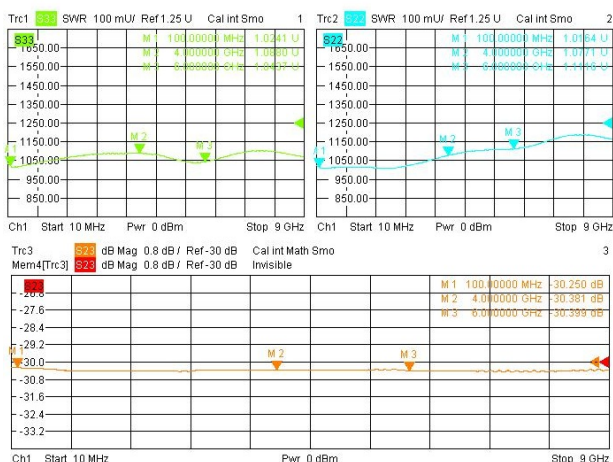
10dB



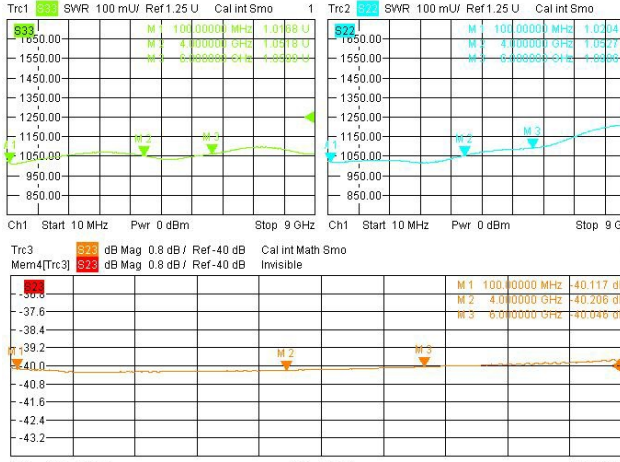
20dB



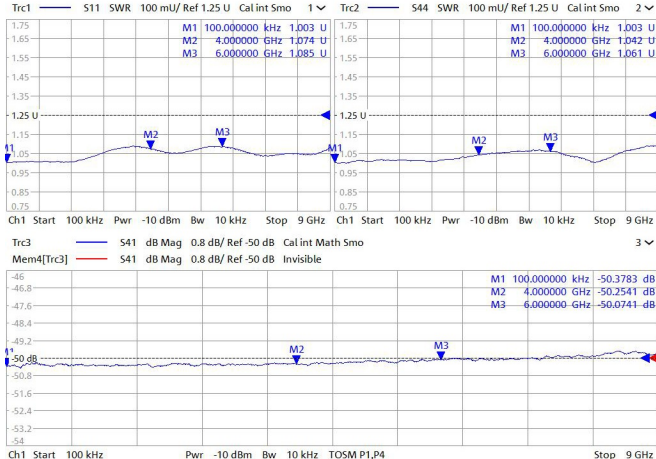
30dB



40dB



50dB



60dB

