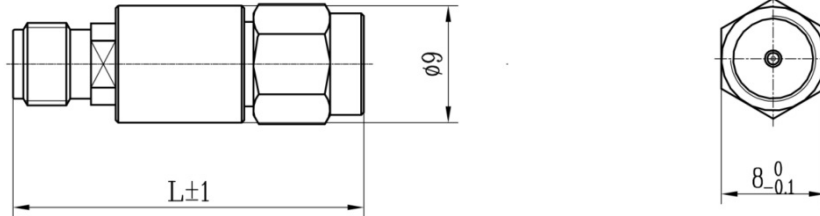


SMA Coaxial Fixed Attenuator, R6S2-XX DC-6GHz, 2W, 1-60dB, Bidirectional, Round



Dimensions(mm) Tolerance±1%



0-10dB:L=24

11-30dB:L=26.6

40/50/60dB:L=30

Electrical & Environmental

Frequency Range	DC-6GHz , 50Ohms
VSWR	1.25 Max
Input Avg Power	2W @25°C
Peak Power	200W (5μsec pulse width, 0.5% duty cycle)
Temp Coefficient	<0.0004 dB/dB/°C
Direction	Bidirectional, SMA male to SMA female
Attenuation	1-60dB
Operating Temp	-55°C~+125°C

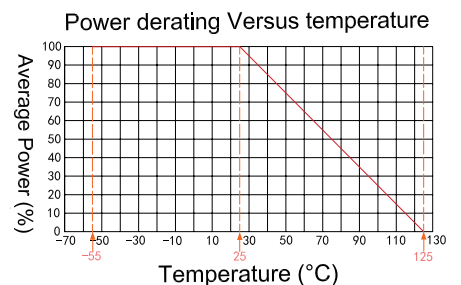
Product Selection, Customizable

RFTOP P/N	ATTEN	Accuracy
R6S2-3	3 dB	±0.4 dB
R6S2-6	6 dB	±0.4 dB
R6S2-10	10 dB	±0.5 dB
R6S2-20	20 dB	±0.6 dB
R6S2-30	30 dB	±0.8 dB
R6S2-40	40 dB	±1.0 dB
R6S2-50	50 dB	±1.2 dB
R6S2-60	60 dB	±1.4 dB

Mechanical & Product Information

Product Number	R6S2-XX
Product Type	Coaxial Fixed Attenuator, P-Grade
Connector	SMA male, SMA female
Connector Body	Passivated stainless steel
Center Contact	Gold plated brass, Gold plated beryllium copper
Heat Sink	N/A
Net Weight	About 6.0g

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 0.2W at 100°C.



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

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

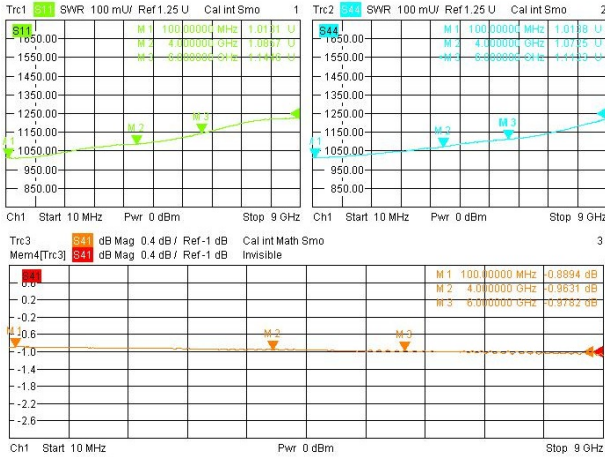


SMA Coaxial Fixed Attenuator, R6S2-XX

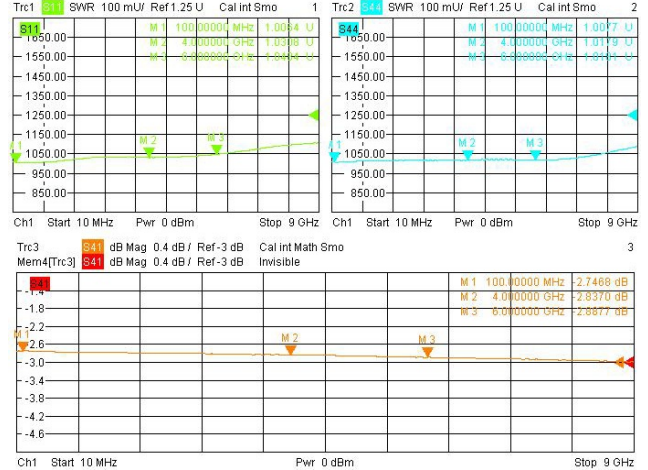
DC-6GHz, 2W, 1-60dB, Bidirectional, Round

Typical Test Data

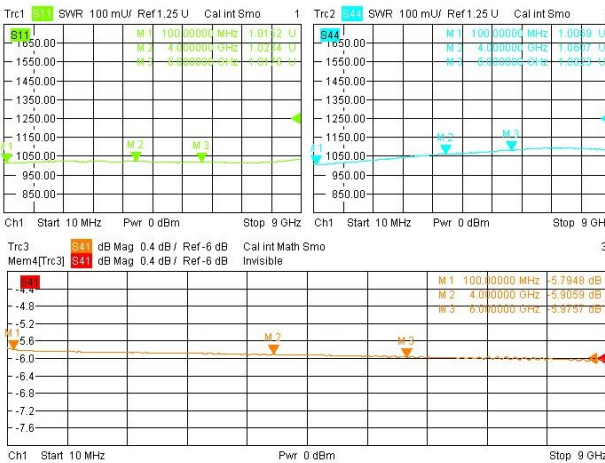
1dB



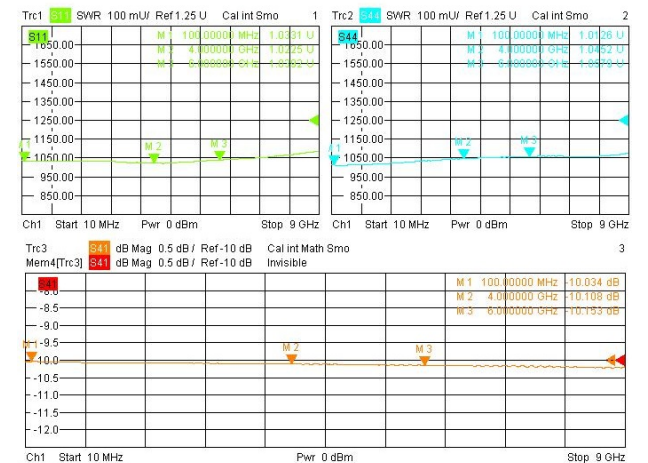
3dB



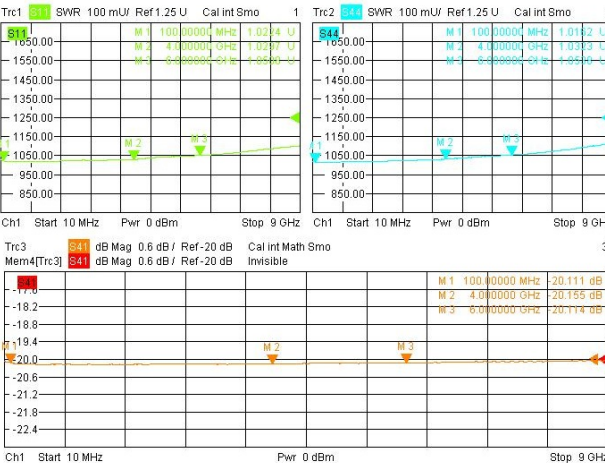
6dB



10dB



20dB



30dB

