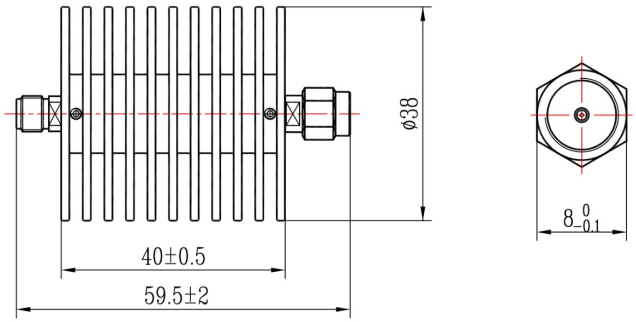


SMA Coaxial Fixed Attenuator, R8S20-XX
DC-8.5GHz, 20W, 1-40dB, Unidirectional, Round

01

Dimensions(mm) Tolerance±1%



02

Electrical & Environmental

Frequency Range	DC-8.5GHz , 50Ohms
VSWR	1.2 Max
Input Avg Power	20W @25°C
Peak Power	500W (5μsec pulse width, 1% duty cycle)
Temp Coefficient	<0.0004 dB/dB/°C
Direction	Unidirectional, SMA male imput to SMA female output
Attenuation	1-40dB
Operating Temp	-55°C~+125°C

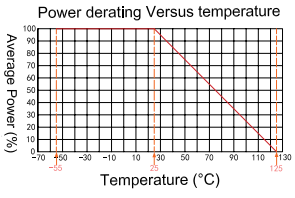
03

Mechanical & Product Information

Product Number	R8S20-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	Black anodized aluminum

Product Selection		
RFTOP P/N	**ATTEN**	**Accuracy**
R8S20-3	3 dB	±0.5 dB
R8S20-6	6 dB	±0.5 dB
R8S20-10	10 dB	±0.5 dB
R8S20-20	20 dB	±0.6 dB
R8S20-30	30 dB	±0.8 dB
R8S20-40	40 dB	±0.8 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 80°C. Reference Curve,derate linearly to 2W at 100°C.



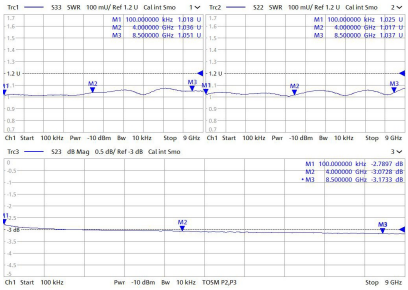


SMA Coaxial Fixed Attenuator, R8S20-XX
DC-8.5GHz, 20W, 1-40dB, Unidirectional, Round

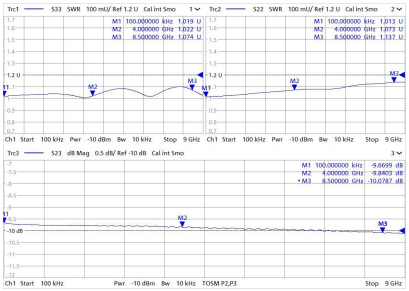
04

Typical Test Data

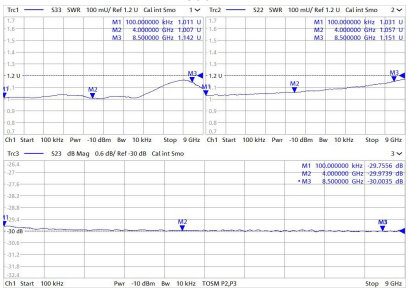
3dB



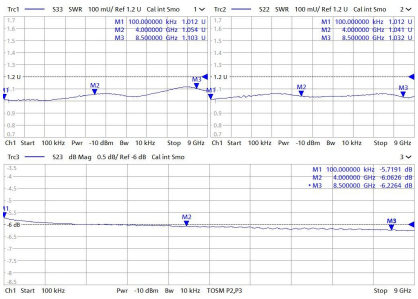
10dB



30dB



6dB



20dB

