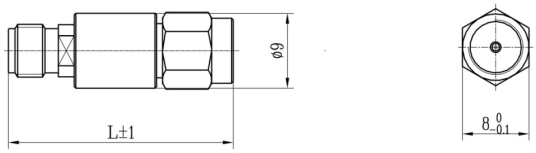
SMA Coaxial Fixed Attenuator, R12S2-XX
DC-12.4GHz, 2W, 1-60dB, Bidirectional, Round



01

Dimensions(mm) Tolerance±1%



0-10dB:L=24
11-30dB:L=26.6
40/50/60dB:L=30

02

Electrical & Environmental

Frequency Range	DC-12.4GHz , 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

03

Mechanical & Product Information

Product Number	R12S2-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

Product Selection		
RFTOP P/N	**ATTEN**	**Accuracy**
R12S2-3	3 dB	±0.4 dB
R12S2-6	6 dB	±0.4 dB
R12S2-10	10 dB	±0.5 dB
R12S2-20	20 dB	±0.7 dB
R12S2-30	30 dB	±0.9 dB
R12S2-40	40 dB	±1.1 dB
R12S2-50	50 dB	±1.3 dB
R12S2-60	60 dB	±1.5 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 0.2W at 100°C.

