WEINSCHEL ENGINEERING

2-10

The Weinschel Model 2-10 is a high-performance, subminiature, fixed coaxial SMA attenuator designed for operation from DC to 18.0 GHz. Built to withstand demanding military and commercial environments, it offers a nominal attenuation of 10 dB with excellent flatness, low VSWR, and a power handling capability of 2 Watts average. It features a passivated stainless steel construction and gold-plated beryllium copper contacts for long-term reliability.

SPECIFICATIONS

Physical

Operating Temperature	-55 to +125 °C °C
Dimensions (W×H×D)	7.9 mm Hex × 30.5 mm L mm

RF & Electrical Performance

Frequency Range	DC to 18.0 GHz
Nominal Attenuation	10 dB
Nominal Impedance	50 Ω
Maximum VSWR (DC - 4.0 GHz)	1.15
Maximum VSWR (4.0 - 8.0 GHz)	1.20
Maximum VSWR (8.0 - 12.4 GHz)	1.25
Maximum VSWR (12.4 - 18.0 GHz)	1.35
Attenuation Accuracy (DC - 4.0 GHz)	±0.3 dB
Attenuation Accuracy (4.0 - 8.0 GHz)	±0.3 dB
Attenuation Accuracy (8.0 - 12.4 GHz)	±0.3 dB
Attenuation Accuracy (12.4 - 18.0 GHz)	±0.5 dB
Maximum Average Input Power	2 W @ 25 °C (derated linearly to 0.5 W @ 125 °C)
Maximum Peak Input Power	500 W (5 µs pulse width, 0.2% duty cycle)
Temperature Coefficient of Attenuation	< 0.0004 dB/dB/°C

Mechanical & Physical

RF Connector Type	SMA
RF Connector Gender	Male to Female
Housing Material	Stainless Steel
Housing Plating	Passivated
Connector Contacts	Gold-plated beryllium copper

Environmental & Reliability

Storage Temperature Range	-55 to +125 °C

TECHNOLOGY

Fixed Coaxial Attenuator

APPLICATIONS

Signal Attenuation, RF Testing, Impedance Matching, Level Control

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.