

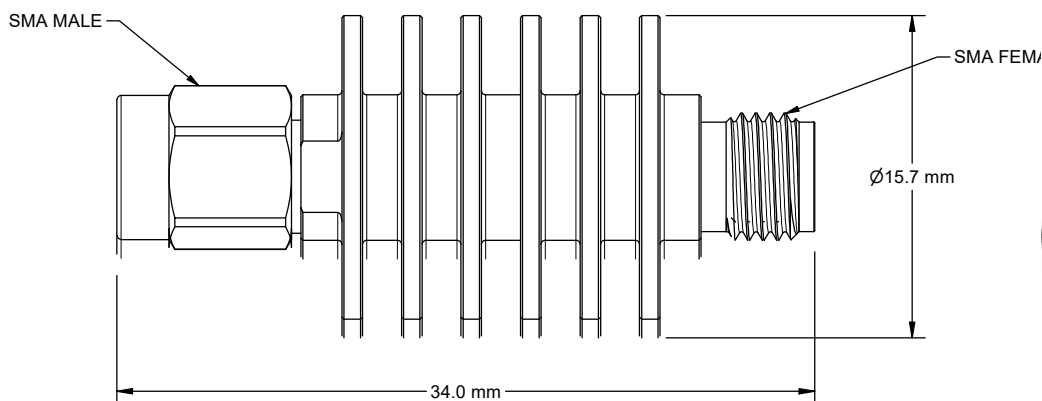


DC - 18.0 GHz.

Model: C18S2-XX



P3's Coaxial Attenuators are convection cooled and can handle full rated 5 watts CW at 25 degrees C, and have an operating temperature range of -55 to +125 degrees C. These attenuators are commonly used for absorbing power of a transmission line, expanding power range and controlling power levels. They may also be used for accurately measuring power or spectrum of RF & Microwave transmitters accompanied with a power meter VNA or spectrum analyzer. These fixed attenuators cover DC to 18.0 GHz with low VSWR and excellent attenuation flatness across the full bandwidth.



P/N: Example:

C18S5 - XX

Series Attenuation Value

ENVIRONMENTAL SPECIFICATION

Thermal Shock: MIL-STD-202, Method 107, Condition B
Moisture Resistance: MIL-STD-202, Method 106
Salt Fog Test: MIL-STD-202, Method 101, Condition B
Vibration: MIL-STD-202, Method 204, Condition D
Shock: MIL-STD-202, Method 213, Condition I
Connectors: MIL-STD-348A

ATTENUATION VALUE & ACCURACY

ATTENUATION	3 dB	6 dB	10 dB	20 dB	30 dB	40 dB	50 dB
ACCURACY	-0.5/+0.8	-0.5/+0.8	±1.0	±1.0	±1.0	±1.0	±1.0
DIM A	34.0 mm	34.0 mm	34.0 mm	34.0 mm	34.0 mm	37.5 mm	37.5 mm
DIM B	Ø15.7 mm	Ø15.7 mm	Ø15.7 mm	Ø15.7 mm	Ø15.7 mm	Ø16.5 mm	Ø16.5 mm
WEIGHT	10g	10g	10g	10g	10g	20g	20g

*Specifications are subject to change without notice

ELECTRICAL SPECIFICATION

Frequency Range: DC - 18.0 GHz.
dB Values: 1, 2, 3, 6, 10, 15, 20, 30, 40 dB (Standard)
Impedance: 50 Ω
Average Power: 5 W at 25° C, 0.5 W at +125° C
Peak Power: 1,000 W (5µs pulse @ 0.05% duty cycle)
VSWR: Operating 1.35:1 Max.
Temp.: -55° C to +125° C

MECHANICAL SPECIFICATION

Connector: SMA Male To Female
Male Pin: BeCu Gold Plated,
Female Socket: BeCu Gold Plated
Body: Aluminum, Black Anodize
Weight: See Chart
Storage Temp.: -55° C to +125° C

Custom dB Values are available upon request. Contact Sales: sales@p3-rf.com

