

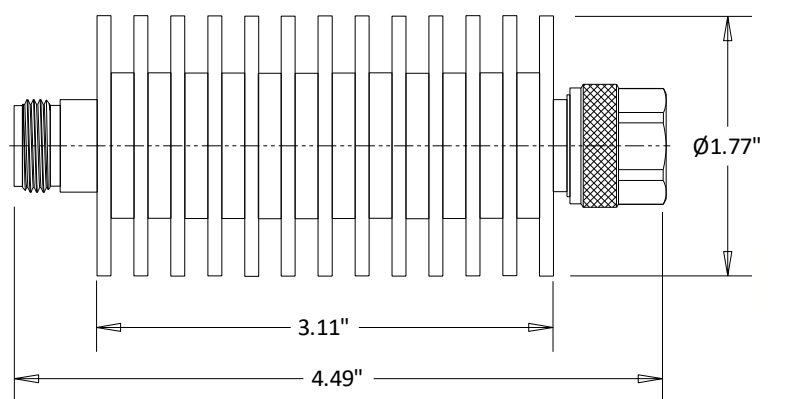


DC - 8.0 GHz.

Model: C8N50-XX



P3's Coaxial Attenuators are convection cooled and can handle full rated 50 watts CW and a peak power rating of 5,000 Watts (5µsec pulse @ 0.5% duty cycle 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 8.0 GHz. with attenuation values from 1 dB thru 40db with low VSWR and excellent attenuation flatness across the full bandwidth.



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-348B

Attenuation Accuracy (Max)			
	3-10 dB	20 dB	30 dB
DC-8 GHz	±0.5 dB	±0.6 dB	±0.8 dB

P/N: Example:

C8N50 - XX

Series Attenuation Value

*Specifications are subject to change without notice

ELECTRICAL SPECIFICATION

Frequency Range: DC - 8.0 GHz.
 dB Values: 3, 6, 10, 20, 30, 40 dB (Standard)
 Impedance: 50 Ω
 Average Power: 50 W at 25° C, 0 W at +125° C
 Peak Power: 1,000 W (5µs pulse @ 0.5% duty cycle)
 VSWR: Operating 1.25 Max. @ 8.0 GHz.
 Temp.: -55° C to +125° C

MECHANICAL SPECIFICATION

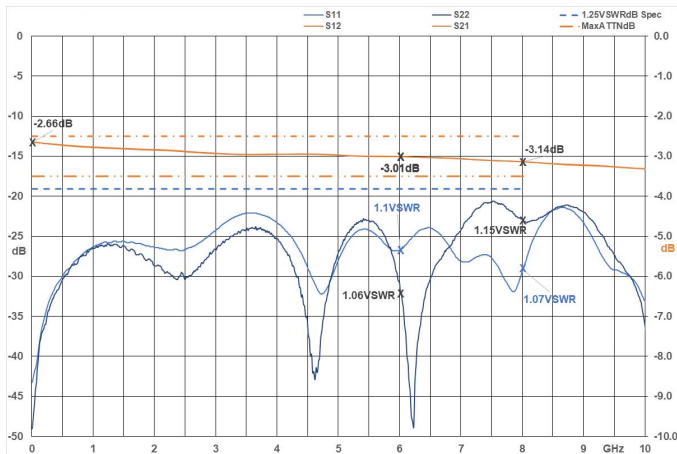
Body: Ternary Brass Alloy, Plated
 Contact Pin: BeCu, Gold Plated
 Female Socket: BeCu, Gold Plated
 Male Pin: Brass, Gold Plated
 Dielectric: PEI
 Storage Temp.: -55° C to +125° C

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

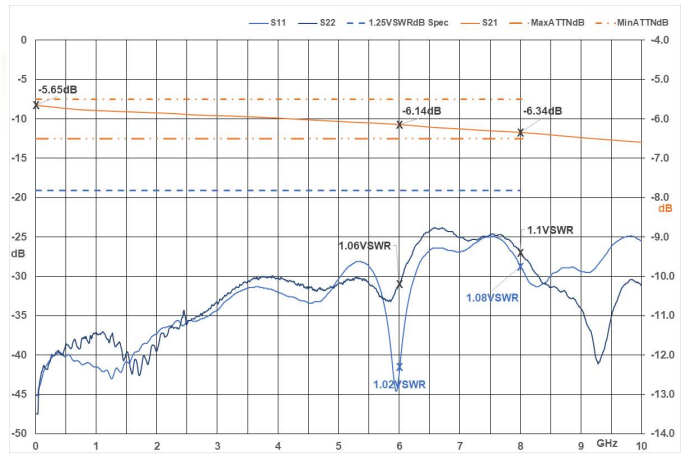


TYPICAL TEST DATA

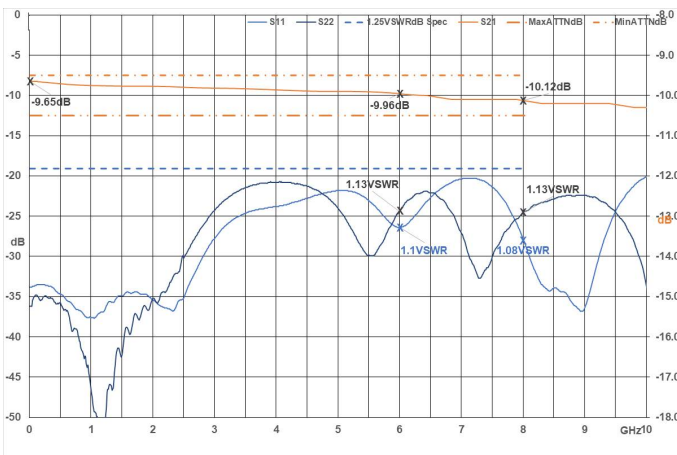
3 dB



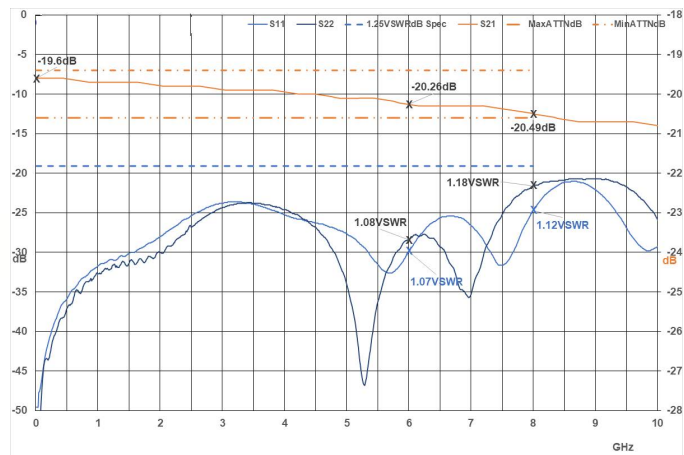
6 dB



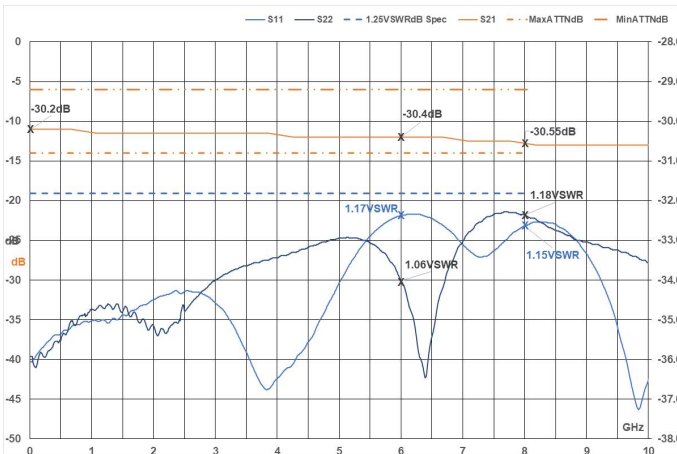
10 dB



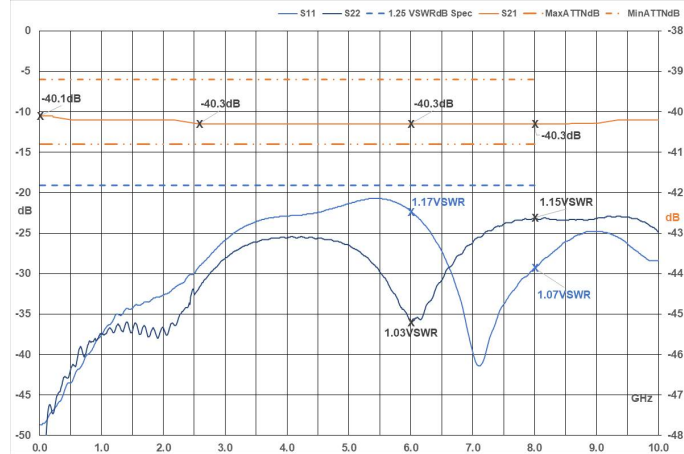
20 dB



30 dB



40 dB



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