

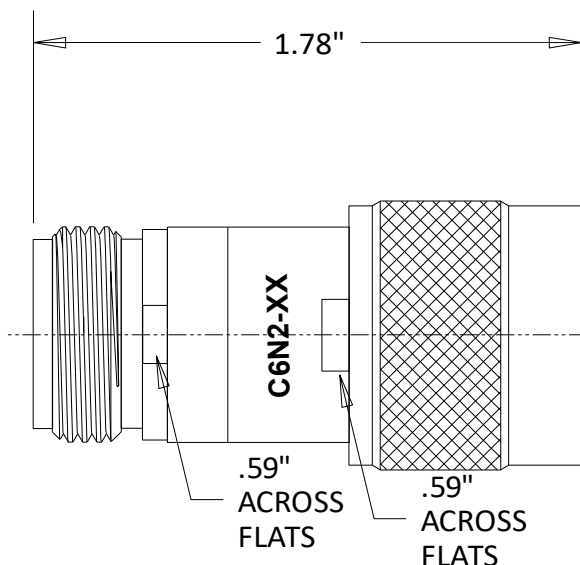


DC - 6.0.0 GHz.

Model: C6N2-XX



P3's Coaxial Attenuators are convection cooled and can handle full rated 2 watts CW and a peak power rating of 250 Watts (5µsec pulse @ 0.4% 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 6.0 GHz. with attenuation values from 0dB thru 30db 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)			
1-6 dB	±0.3 dB	30 dB	±0.9 dB
10-20 dB	±0.5 dB		

P/N: Example:

C6N2 - XX
 Series Attenuation Value

*Specifications are subject to change without notice

ELECTRICAL SPECIFICATION

Frequency Range: DC - 6.0 GHz.
 dB Values: 1, 2, 3, 4, 6, 10, 12, 15, 20, 30 dB (Standard)
 Impedance: 50 Ω
 Average Power: 2 W at 25° C, 0.02 W at +125° C
 Peak Power: 250 W (5µs pulse @ 0.44% duty cycle)
 VSWR: Operating 1.25:1 Max. @ 6.0 GHz.
 Temp.: -55° C to +125° C

MECHANICAL SPECIFICATION

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

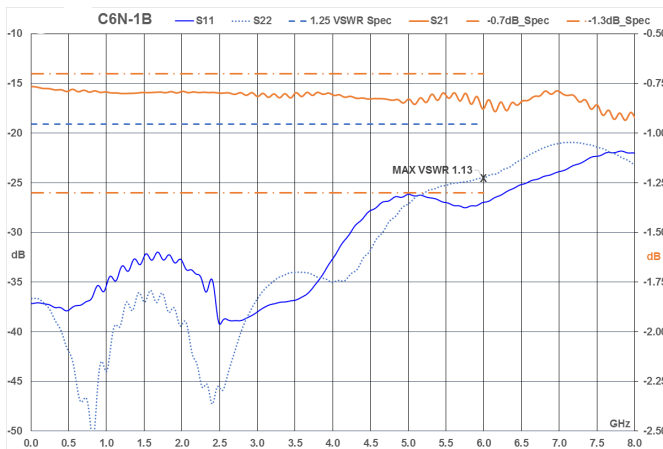
Custom dB Values are available upon request. Contact Sales: sales@p3-rf.com



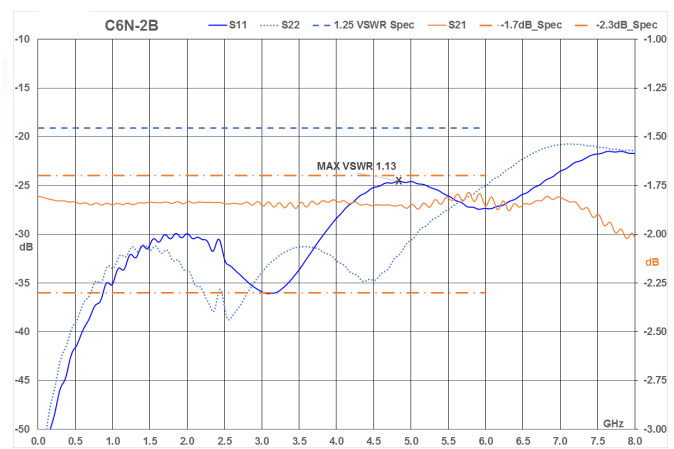


TYPICAL TEST DATA

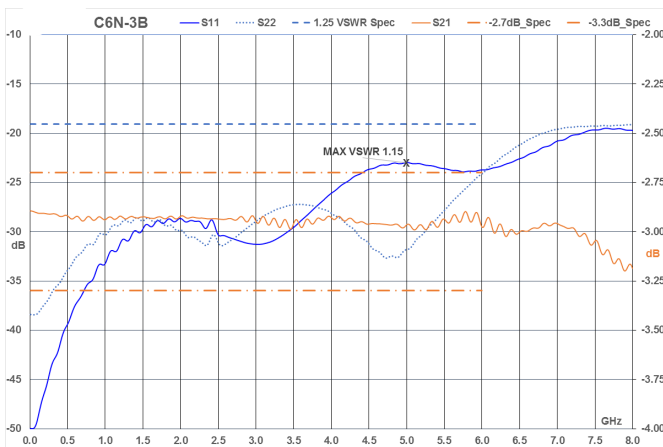
1 dB



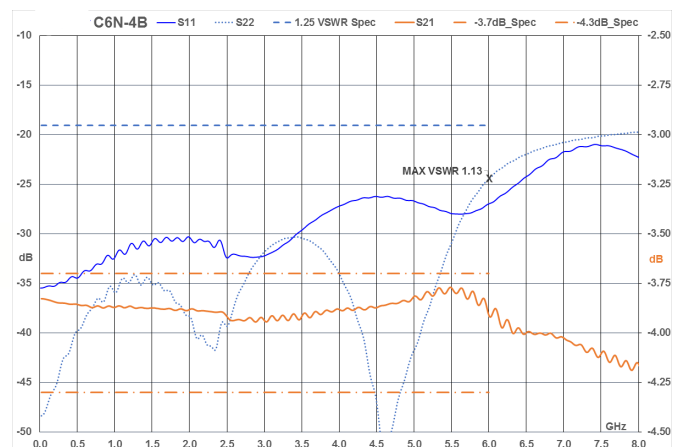
2 dB



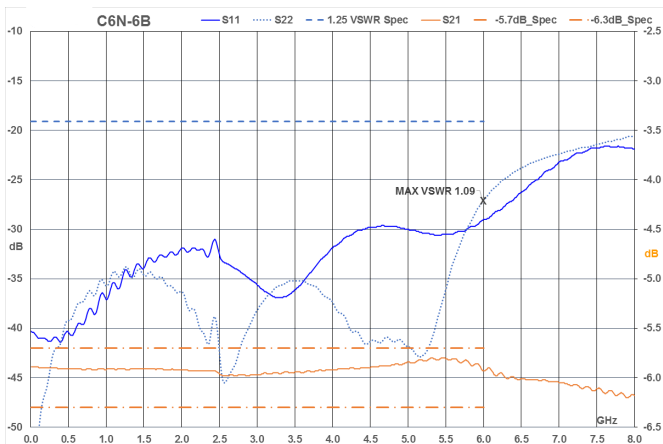
3 dB



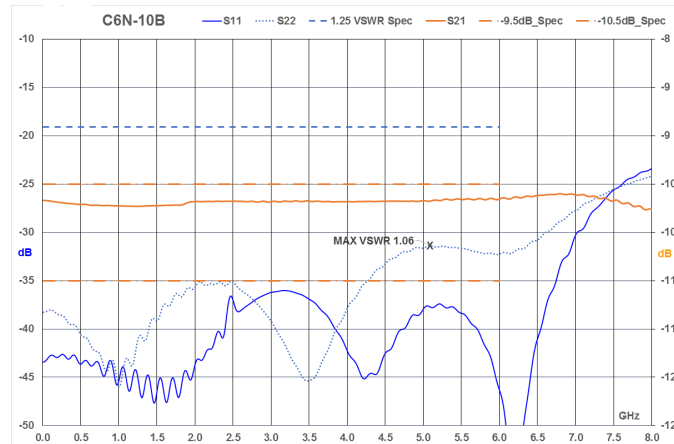
4 dB



6 dB



10 dB



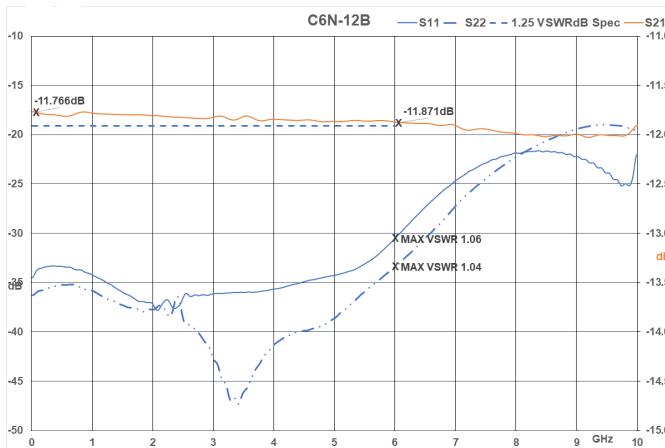
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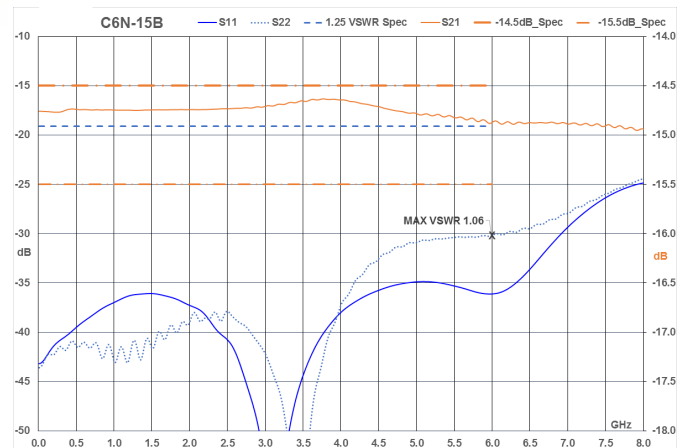


TYPICAL TEST DATA

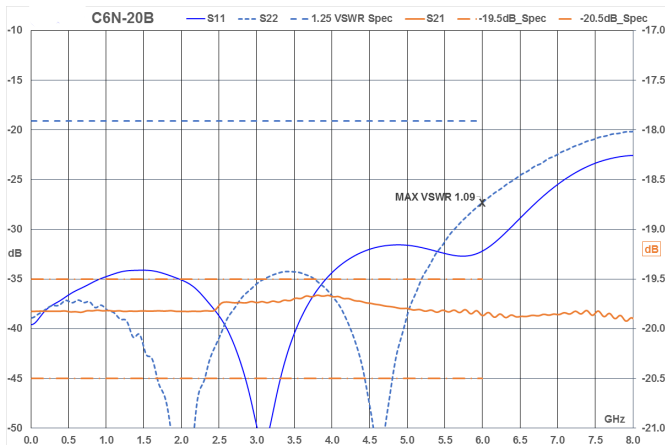
12 dB



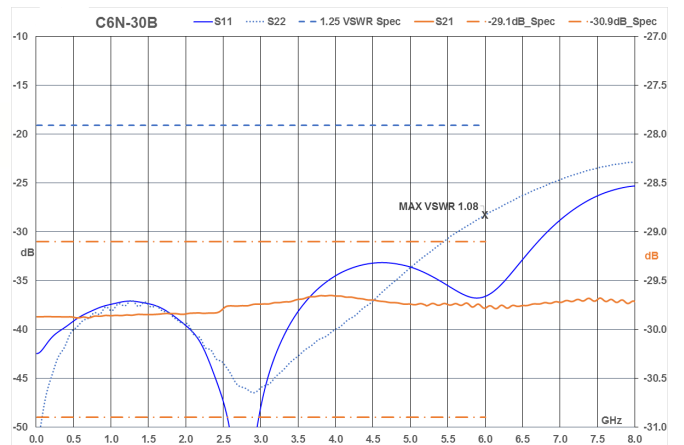
15 dB



20 dB



30 dB



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