

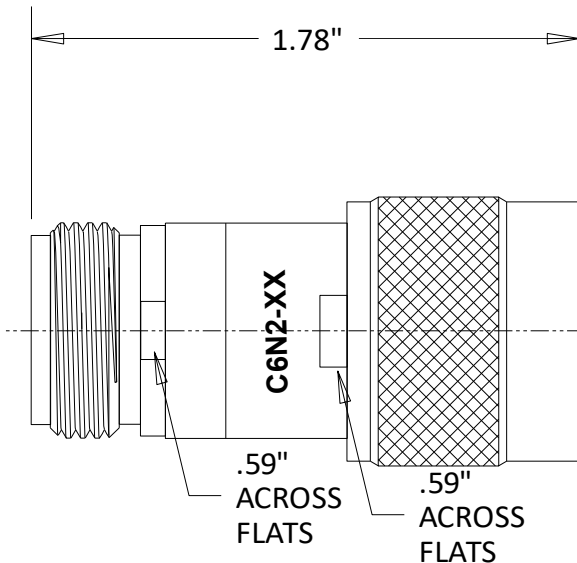


**DC - 6.0.0 GHz.**

**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**

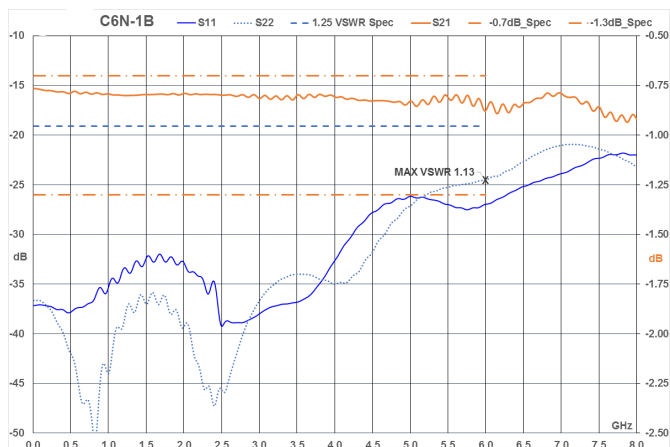
Body: Ternary Brass Alloy,Plated  
 Contact Pin: BeCu, Gold Plated  
 Female Socket: BeCu, Gold Plated  
 Dielectric: PEI  
 Storage Temp.: -55° C to +125° C

Custom dB Values are available upon request. Contact Sales: [sales@p3-rf.com](mailto:sales@p3-rf.com)

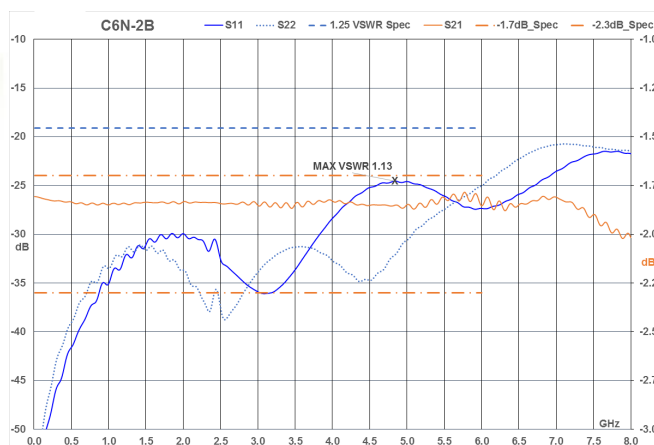


**TYPICAL TEST DATA**

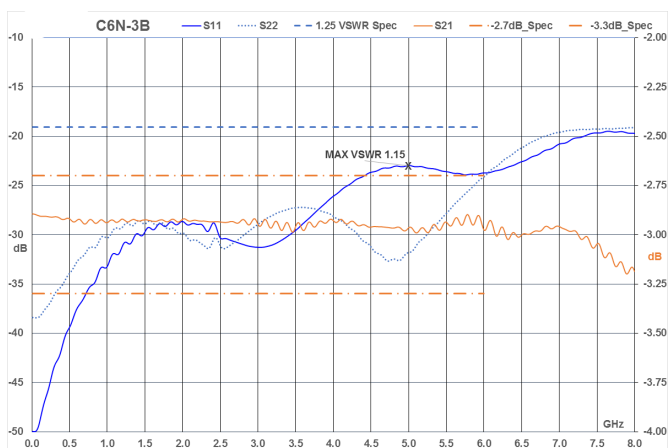
**1 dB**



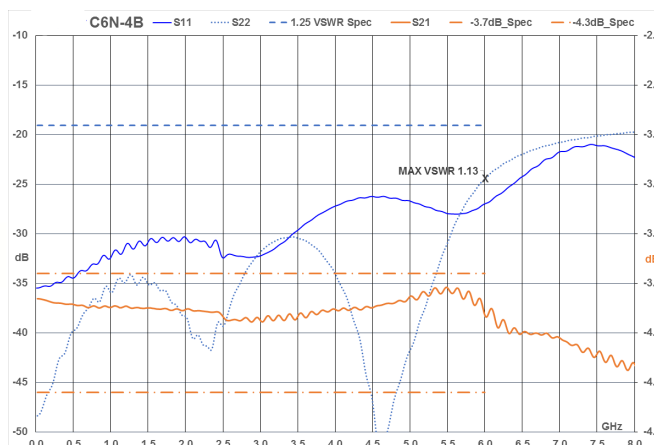
**2 dB**



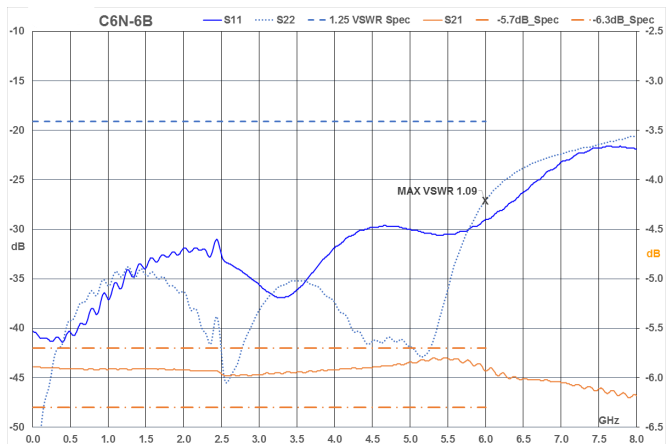
**3 dB**



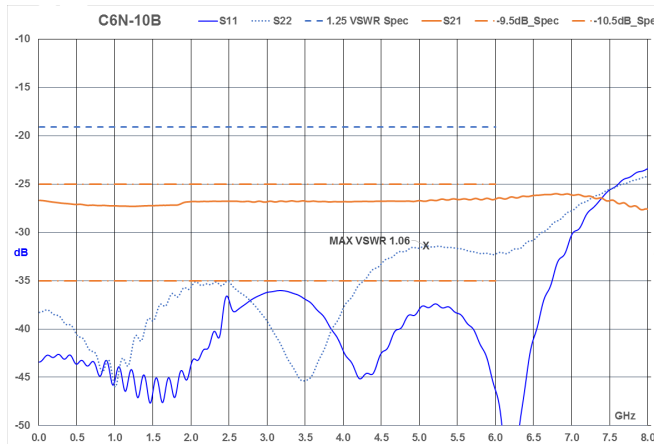
**4 dB**



**6 dB**



**10 dB**

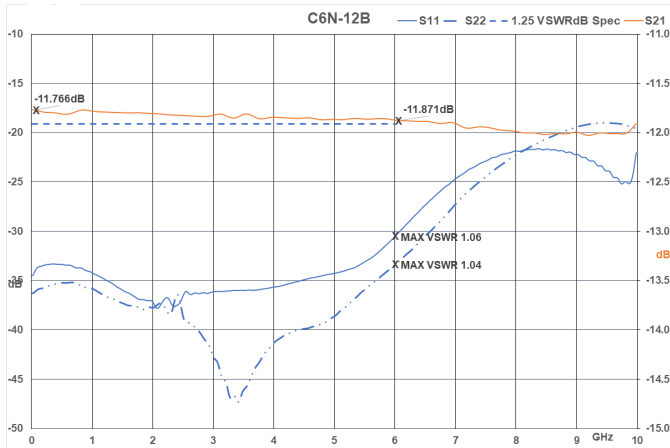


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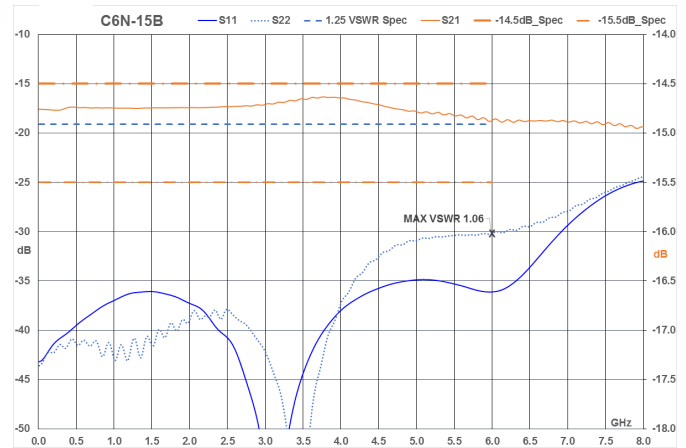


# TYPICAL TEST DATA

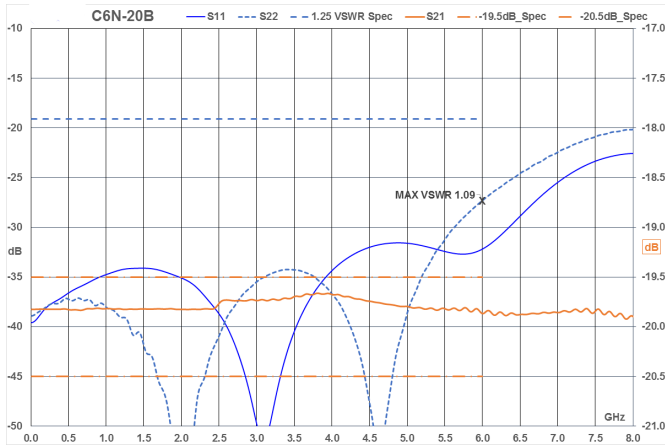
**12 dB**



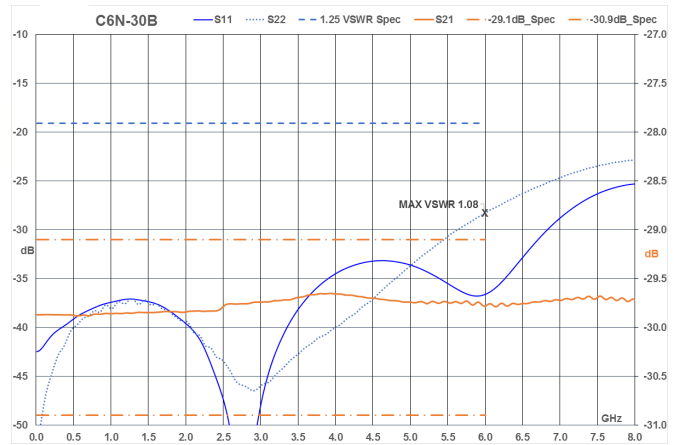
**15 dB**



**20 dB**



**30 dB**



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