

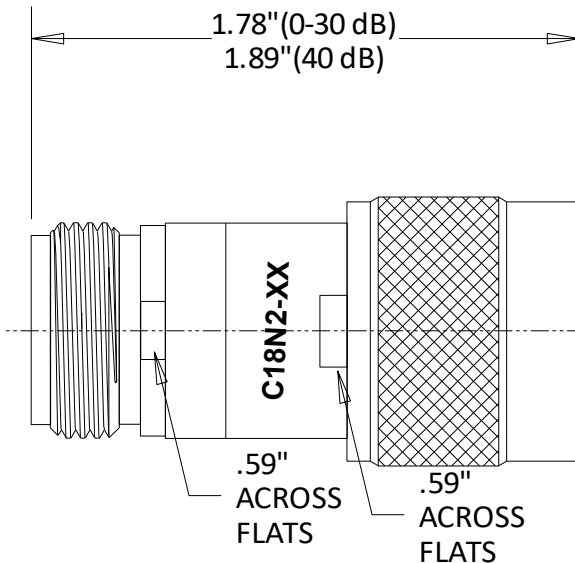


DC - 18.0 GHz.

Model: C18N2-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 @ 0.5% 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 18.0 GHz. with attenuation values from 1 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)			
0-10 dB	±0.5 dB	30 dB	±1.0 dB
15-20 dB	±0.8 dB	40 dB	±1.2 dB

P/N: Example:

C18N2 - XX

Series Attenuation
Value

*Specifications are subject to change without notice

ELECTRICAL SPECIFICATION

- Frequency Range: DC - 18.0 GHz.
- dB Values: 0 thru 40 dB (Standard)
- Impedance: 50 Ω
- Average Power: 2 W at 25° C, 0.02 W at +125° C
- Peak Power: 250 W (5µs pulse @ 0.5% duty cycle)
- VSWR: Operating DC-12.4 GHz. 1.2:1 typ., 12.4-18.0 GHz. 1.4:1 Max.
- Temp.: -55° C to +125° C

MECHANICAL SPECIFICATION

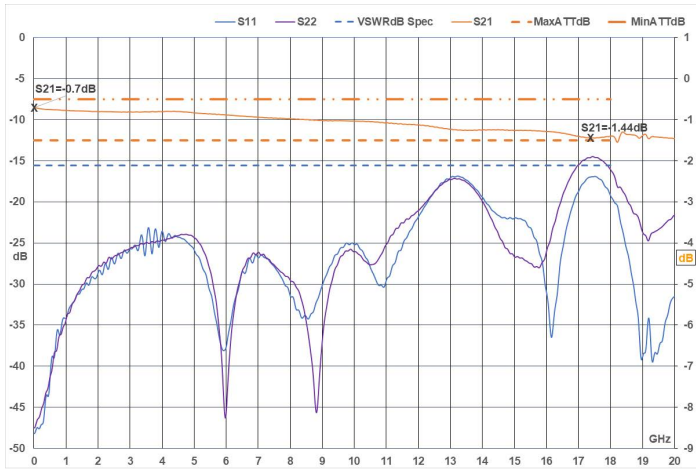
- Body: Passivated Stainless Steel
- Contact Pin: BeCu, Gold Plated
- Female Socket: BeCu, Gold Plated
- Dielectric: PTFE
- Weight: 38 grams
- Storage Temp.: -55° C to +125° C

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

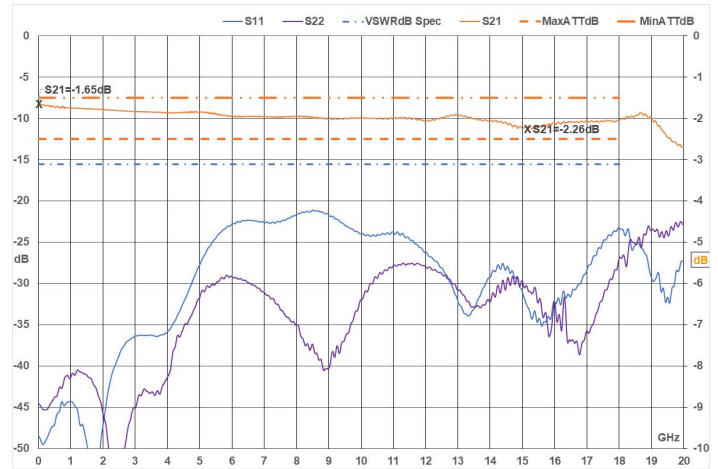


TYPICAL TEST DATA

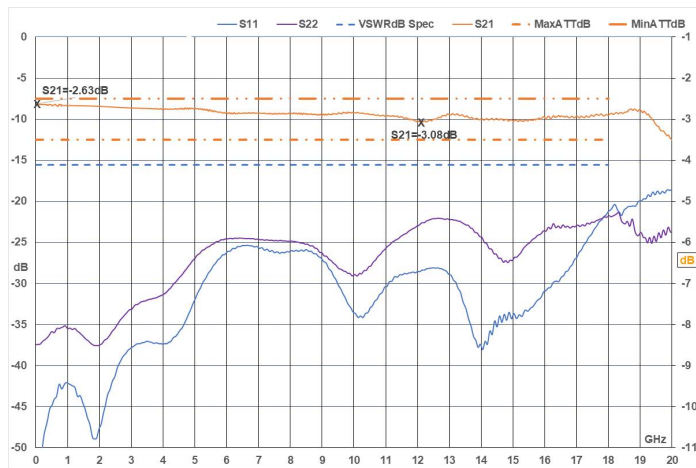
1 dB



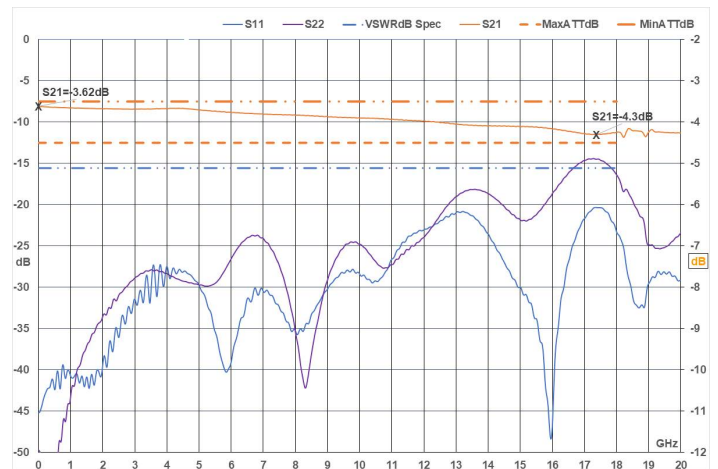
2 dB



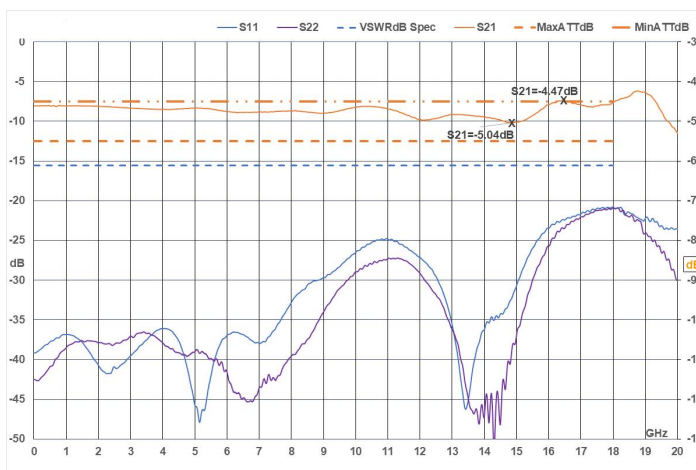
3 dB



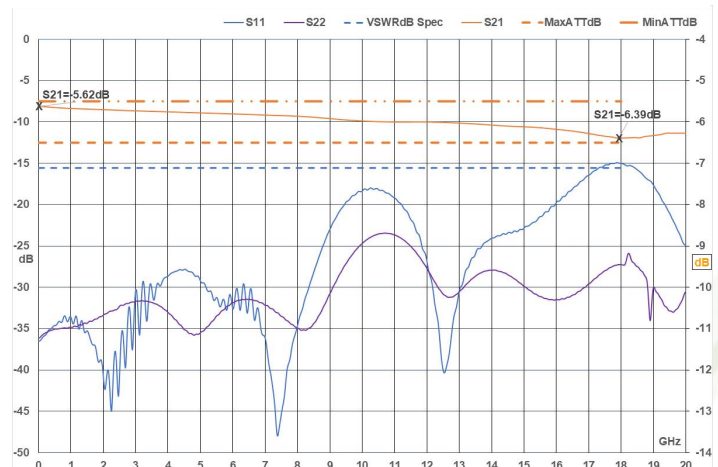
4 dB



5 dB



6 dB

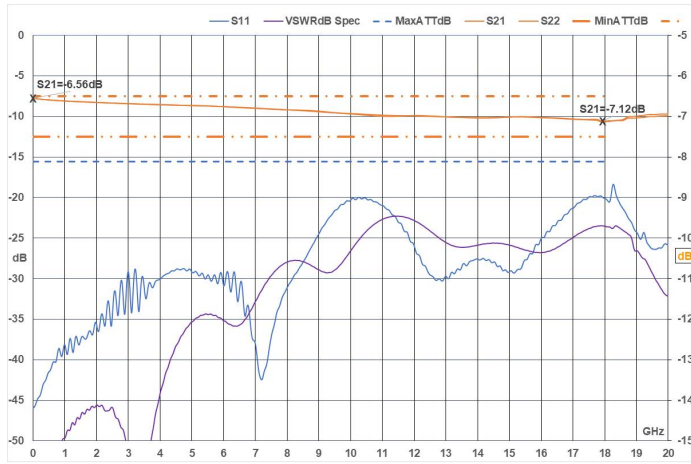


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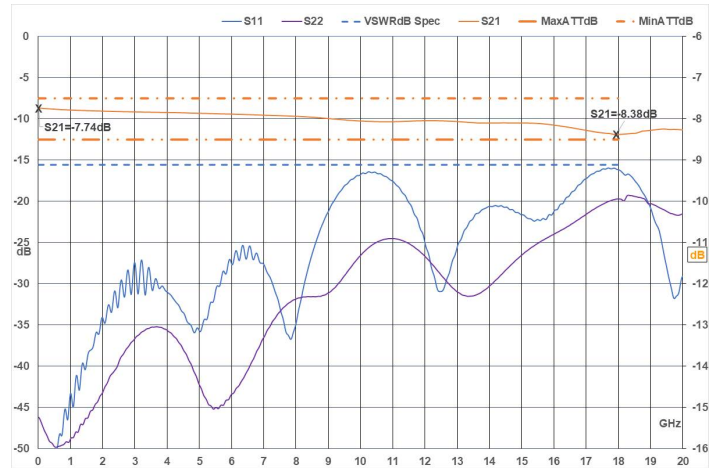


TYPICAL TEST DATA

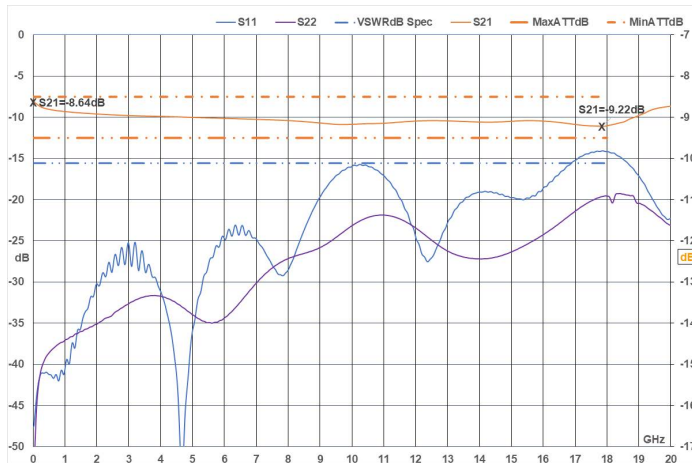
7 dB



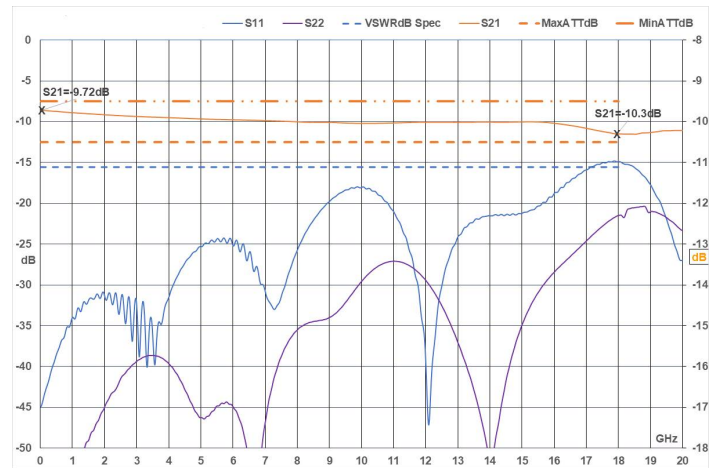
8 dB



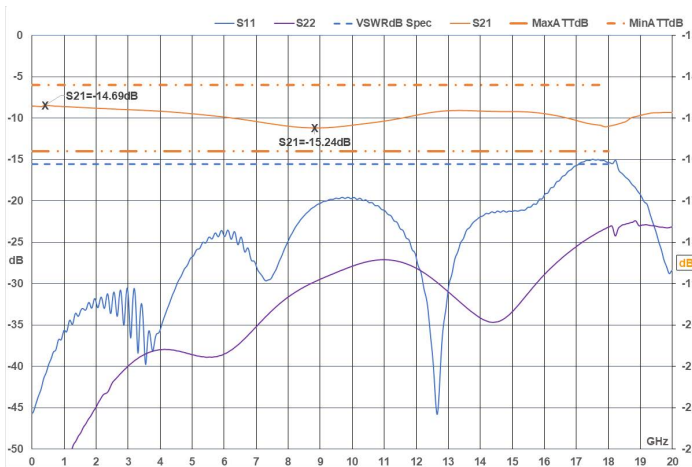
9 dB



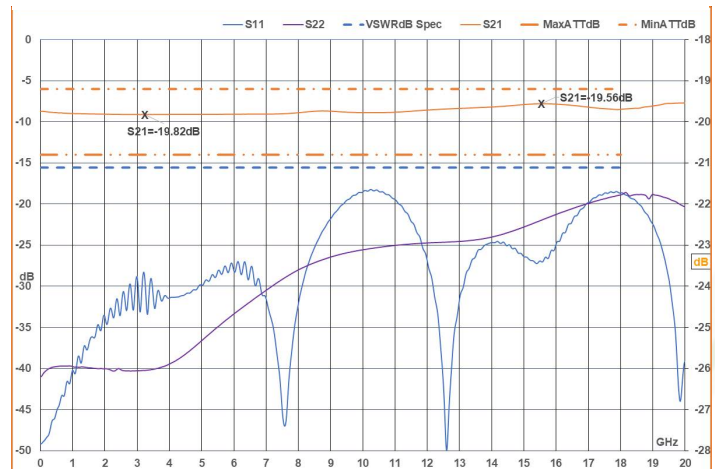
10 dB



15 dB



20 dB

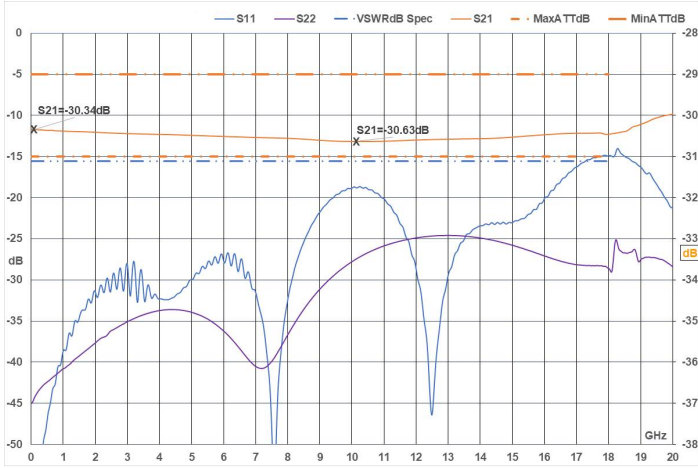


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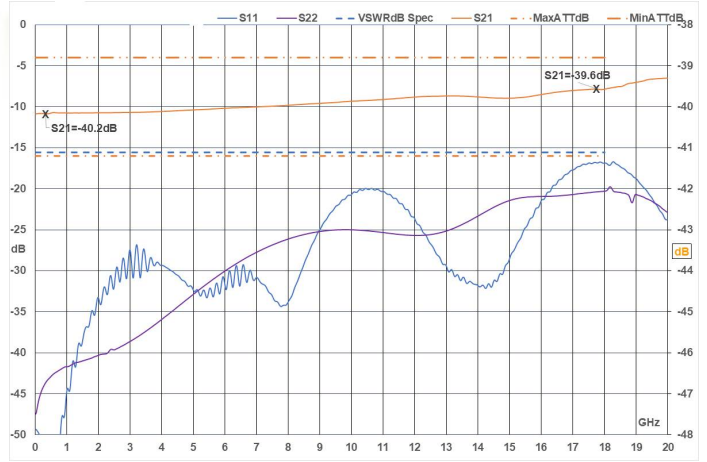


TYPICAL TEST DATA

30 dB



40 dB



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