

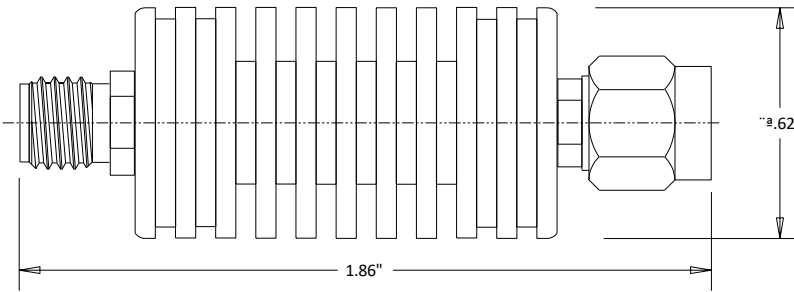


**DC - 6.0.0 GHz.**

**Model: C6S10-XX**



P3's Coaxial Attenuators are convection cooled and can handle full rated 10 watts CW and a peak power rating of 1,000 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 6.0 GHz. with attenuation values from 1 thru 40 db 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, 2 dB	3, 6 dB	10 dB	20 dB	30 dB	40 dB
DC-6 GHZ	±0.50 dB	±0.30 dB	±0.50 dB	±0.70 dB	±1.00 dB	±1.50 dB

**P/N: Example:**

**C6S10 - XX**

Series Attenuation Value

\*Specifications are subject to change without notice

**ELECTRICAL SPECIFICATION**

- Frequency Range: DC - 6.0 GHz.
- dB Values: 1, 2, 3, 6, 10, 20, 30, 40 dB (Standard)
- Impedance: 50 Ω
- Average Power: 10 W at 25° C, 0 W at +125° C 1,000
- Peak Power: W (5µs pulse @ 0.5% duty cycle)
- VSWR: Operating 1.20 Max. @ 6 GHz.
- Temp.: -55° C to +125° C

**MECHANICAL SPECIFICATION**

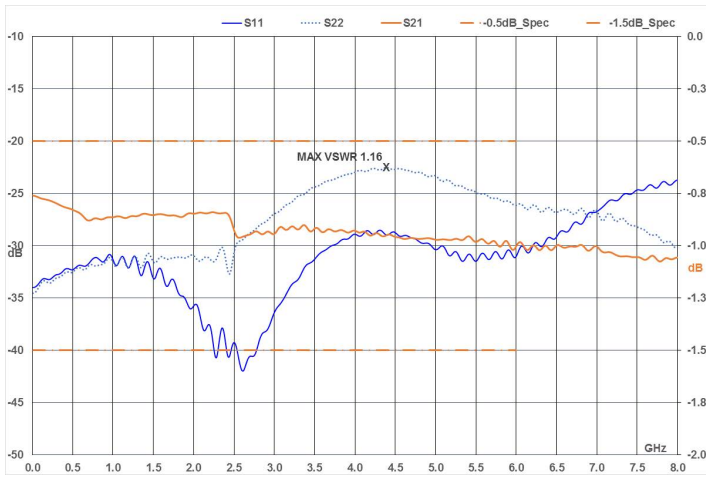
- Body: Stainless Steel, Passivated
- Contact Pin: BeCu, Gold Plated
- Female Socket: BeCu, Gold Plated
- Dielectric: PPO/PTFE
- Storage Temp.: -55° C to +125° C

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

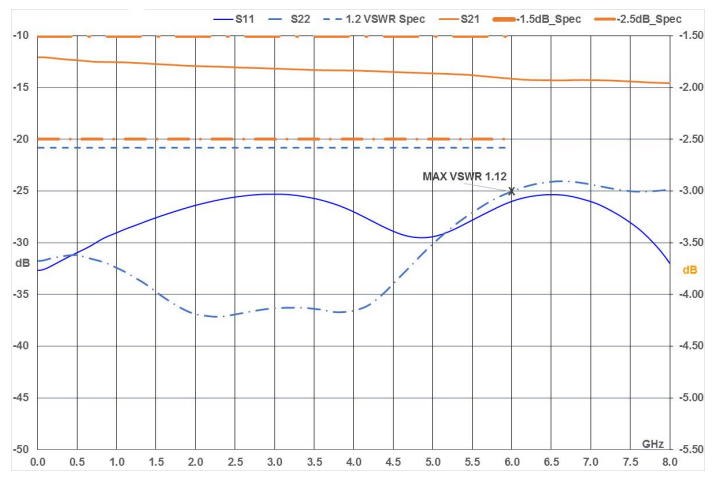


## TYPICAL TEST DATA

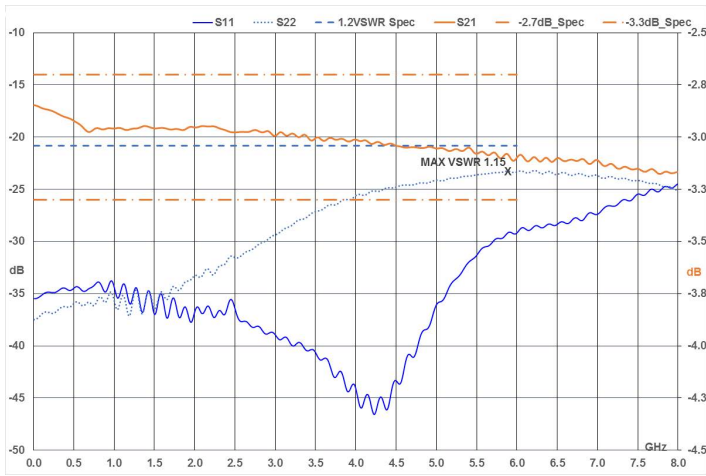
### 1 dB



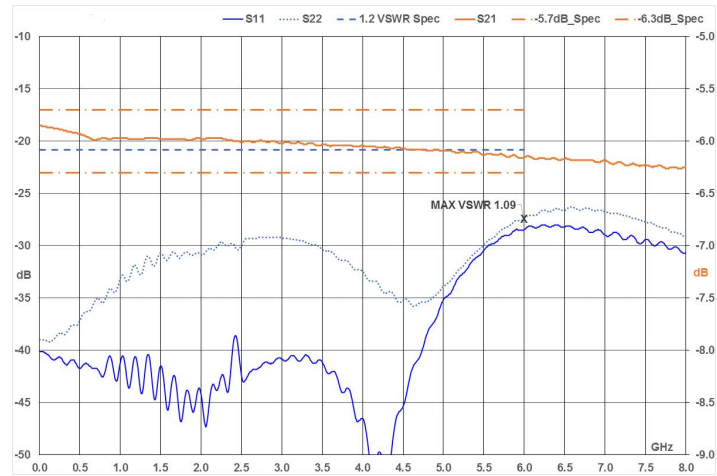
### 2 dB



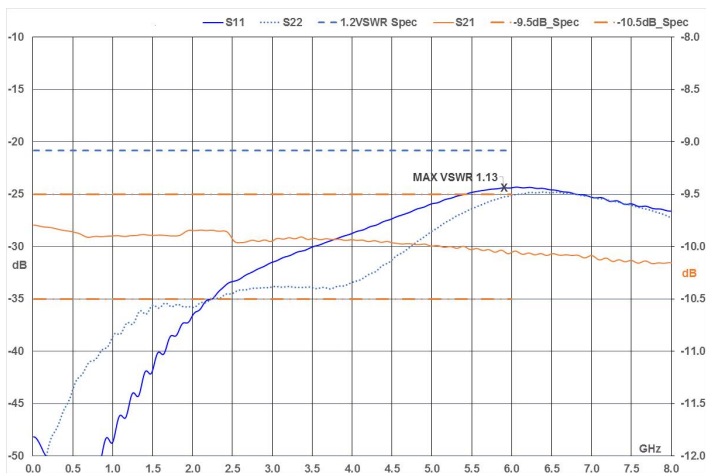
### 3 dB



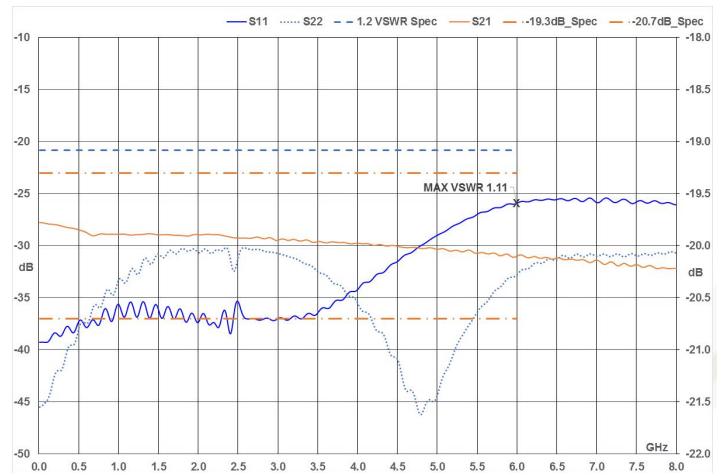
### 6 dB



### 10 dB



### 20 dB

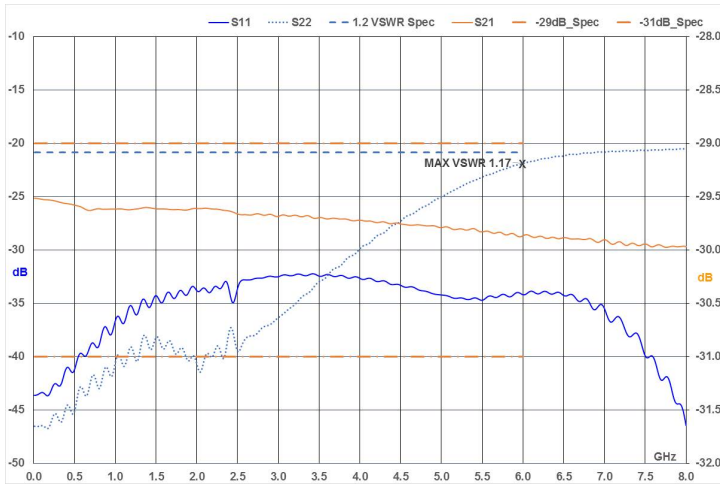


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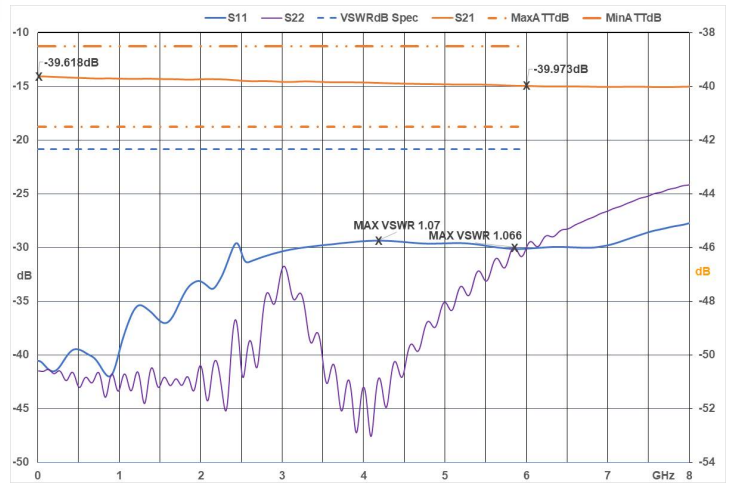


# TYPICAL TEST DATA

### 30 dB



### 40 dB



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