

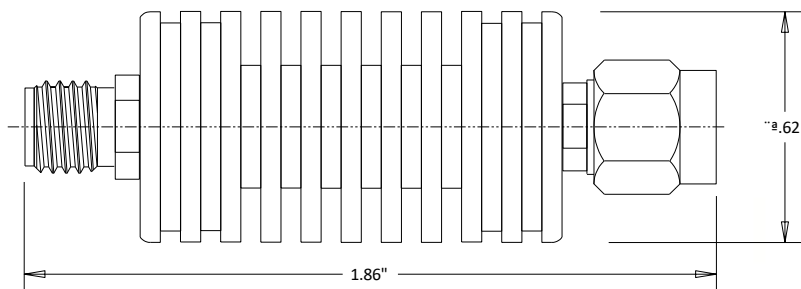


DC - 6.0.0 GHz.

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

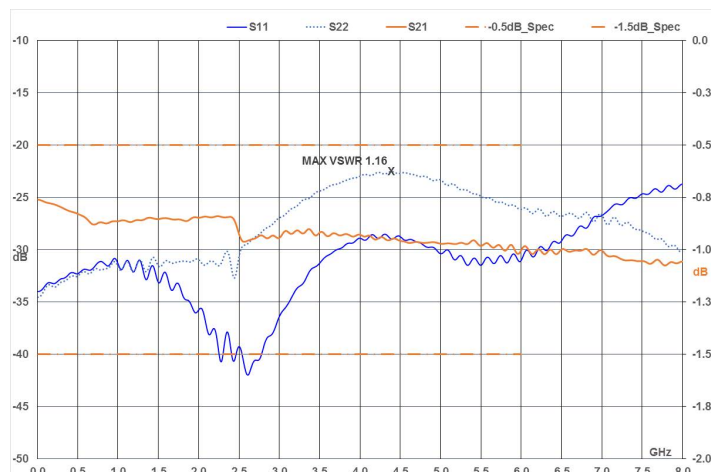
Custom dB Values are available upon request. Contact Sales: sales@p3-rf.com



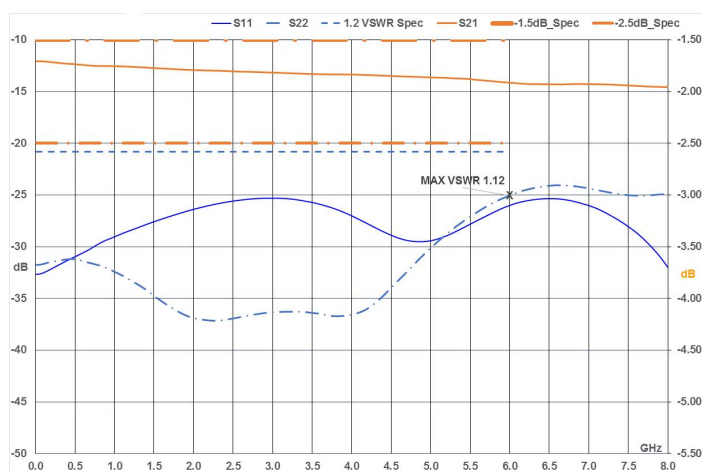


TYPICAL TEST DATA

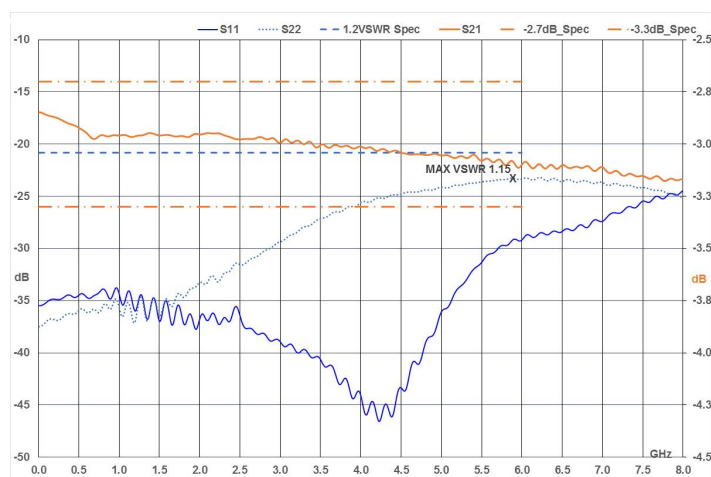
1 dB



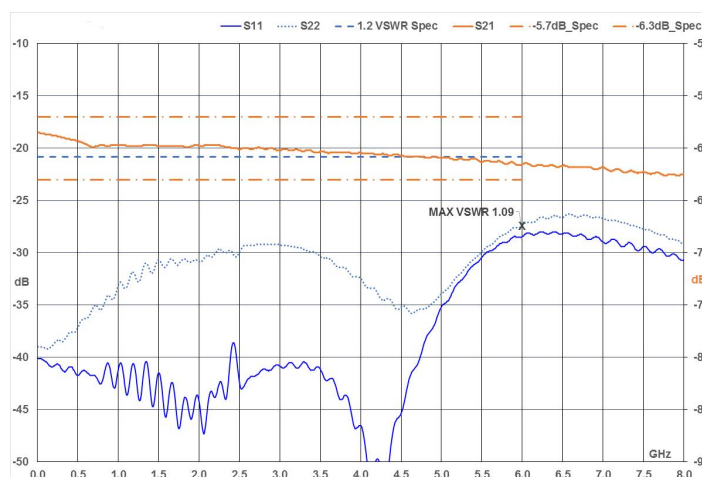
2 dB



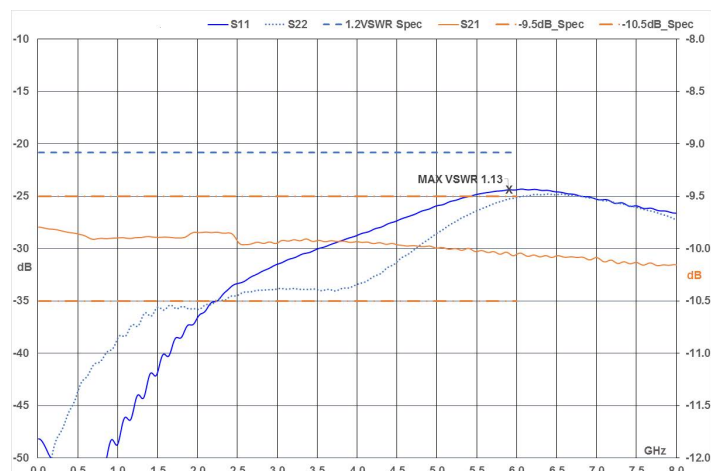
3 dB



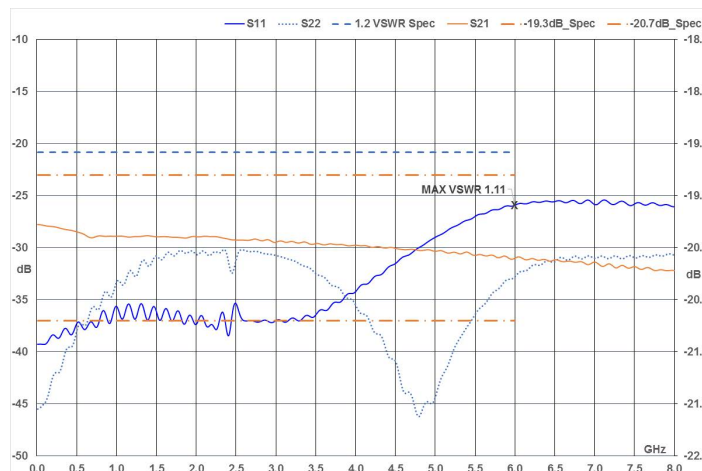
6 dB



10 dB



20 dB



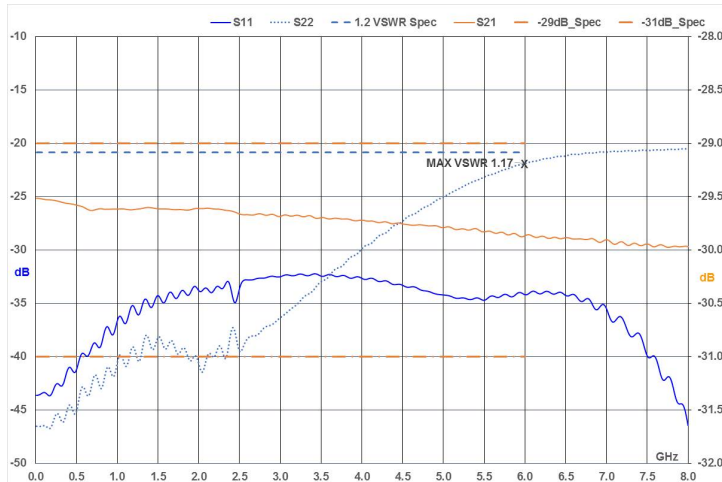
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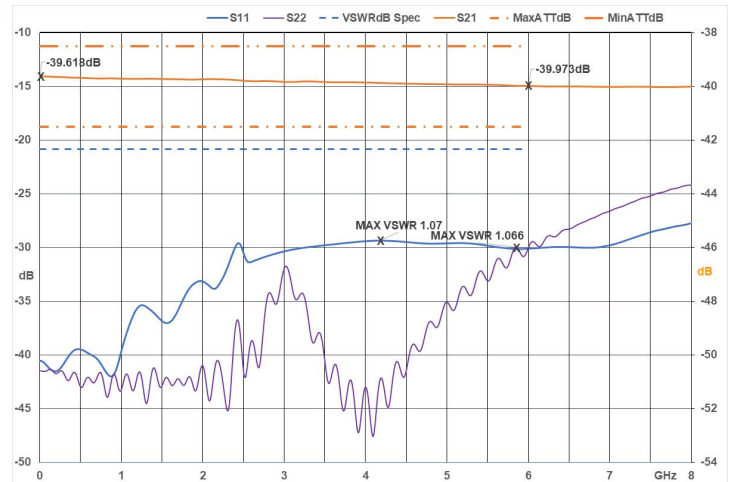


TYPICAL TEST DATA

30 dB



40 dB



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