

SAA-212: HideAway™ Series Stereo Amplifier



Dimensions: 3.45" W x 1.5" H x 4.2" D
Minimum Power supply: 12 V DC
Continuous Power: 12 Watts per channel
Peak Power: 30 Watts per channel
Input Impedance: 25K Ohms
Output Impedance: < 1 Ohm
Signal gain: 39 dB
Signal-to Noise Ratio: >90 dB
Dynamic Range: >90 dB
PSRR: >80 dB typical
Freq. Response: 20 Hz to 20 kHz
Standby current: 60mA @ 12VDC
Peak current output: 4A @ 12VDC
Weight: 6 oz.

Most modern installations for digital signage, corporate boardroom audio systems, classroom audio systems, retail merchandizing kiosks, and plenum rated commercial sound applications, etc. needs a compact and robust audio amplifier. The SAA-212™ is a very good fit for such applications. It offers 2x12 watts of clean power into speaker loads as low as 4 ohms, allowing the installer to connect multiple speakers to the same amplifier. The amplifier has a 39 dB gain, thus eliminating a need for external preamplifier when using modern audio sources such as computer sound card output, portable CD players, MP3 players, satellite radio receivers, HD music servers, Digital Signage players, etc. This miniature yet powerful package delivers high performance and quality at an affordable price. The unit accepts a line level stereo audio signal on a 3.5mm input jack and provides amplified signals on gold-plated 5-way binding post speaker terminals. The advanced protection circuitry guards against system damage from overload, over-temperature or short circuit load. The unit operates from a regulated 12VDC high-efficiency switching power supply which is included in the package. The integrated flanges have mounting holes to fasten the amplifier to any installation surface.

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Applications:

Compact stereo amplifier
Residential or Commercial
audio amplification

Features and Benefits:

Compact design
Two separate mono-block
amplifiers
12 Watts per channel
Weighs only 6 oz.
Only 12 V DC power
required
Flat frequency response

No ripple in the pass band
High signal-to-noise ratio
High dynamic range
High gain of 39 dB
eliminates need for a
preamplifier

Architect Specifications:

The amplifier shall measure 3.45" W x 1.5" H x 4.2" D. It shall weigh only 6 oz. It shall be powered by 12V DC. It shall have continuous power of 12 Watts per channel with a peak power of 30 Watts per channel. Its signal to noise ratio shall be greater than 90 dB and its dynamic range shall be greater than 90 dB. Its frequency response shall be 20 Hz to 20 kHz.

The amplifier shall be a Pragmatic SAA-212: Stereo Audio Amplifier.

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