

## » MBA-120

HideAway™ Series Mono-block Amplifier

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Most modern installations for digital signage, corporate boardroom audio systems, classroom audio systems, retail merchandising kiosks, and plenum rated commercial sound applications, etc. needs a compact and robust audio amplifier. The MBA-120™ is a very good fit for such applications. It offers 20 watts of clean power into speaker loads as low as 2 ohms, allowing the installer to connect multiple speakers to the same amplifier. The amplifier has a 45dB gain, thus eliminating a need for external preamplifier when using modern audio sources such as computer sound card or portable CD players, MP3 players, satellite radio receivers, HD music servers, digital signage players, etc. This miniature yet powerful package delivers high-performance quality at an affordable price. The unit accepts a line level audio signal on a 3.5mm input jack and provides an amplified signal on a 5-way binding post speaker terminal. 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 surface.

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 12 V DC. It shall have a continuous power of 20 Watts with a peak power of 36 Watts. 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.

#### Applications:

- Compact stereo amplifier
- Residential or Commercial audio amplification



#### Feature & Benefits:

- Compact design
- Mono-block amplifiers
- 20 Watts per channel
- Weighs only 6 oz.
- Very high dynamic range
- Only 12 VDC power required
- Flat frequency response
- No ripple in the pass band
- High signal-to-noise ratio
- High dynamic range
- High gain of 45 dB eliminates need for a preamplifier

#### Specifications:

Dimensions: 3.45" W x 1.5" H x 4.2" D  
 Power: 12 V DC  
 Continuous Power: 20 Watts  
 Peak Power: 36 Watts  
 Input Impedance: 25K Ohms  
 Output Impedance: <1 Ohms  
 Signal gain: 45 dB  
 Signal-to-Noise Ratio: >90 dB  
 Dynamic Range: >90 dB  
 PSRR: >80 dB typical  
 Frequency Response: 20Hz to 20kHz  
 Standby current: 60mA @ 12VDC  
 peak current output: 4A @ 12VDC  
 Weight: 6 oz.

\*US and International patents pending

**TO PLACE an ORDER or for QUESTIONS,**  
**Emails Us: [sales@pragmatic1.com](mailto:sales@pragmatic1.com), Call Us: (408) 748-1100 or Fax Us: (408) 663-9783**