

# DSA

Dynamic Sounds Associates

[www.dynamicsounds-assoc.com](http://www.dynamicsounds-assoc.com)

## Dynamic Sounds Associates debuts “Amp I” mono blocks in Room 7018 at RMAF 2016



Naples, FL- August 23, 2016.

Dynamic Sounds Associates will introduce the greatly-anticipated Amp I mono block amplifier at the Rocky Mountain Audio Fest this October. As with all of their recently-debuted electronics, the long-standing solid state vs. tube performance debate is transcended by the Amp I's supremely musical rendering of the original source.

Each Amp I produces 125 watts of pure Class A power and is of solid state design employing an all-JFET/MOSFET design using DC coupled circuit topology following a source follower input with blocking capacitors to provide a constant input impedance and prevent input DC offsets from damaging speakers.

The amplifier has no loop feedback in order to prevent transient intermodulation distortion and to provide a very wide power bandwidth without concern for output phase shifts caused

by speaker loading or amplifier time delay. The massive output driver uses 8 of the legendary Hitachi power MOSFETs in a push-pull configuration with a bias current of 3 amps to achieve 125W of Class A power output into an 8 ohm load.

Each unit has separate power transformers, power supplies and voltage regulators for the amplifier, driver, and output stages.

With internally mounted, fan cooled, power heat sinks, the small-footprint chassis: 17" (W) x 11"(D) x 18" (H) makes it easy to fit in any audio environment.

### **Design**

- An all-JFET/MOSFET design uses DC coupled circuit topology following a source follower input with blocking capacitors to provide a constant input impedance and prevent input DC offsets from damaging speakers.
- No loop feedback in order to prevent transient intermodulation distortion and to provide a very wide power bandwidth without concern for output phase shifts caused by speaker loading or amplifier time delay.
- Massive push-pull output configuration with a bias current of 3 amps to achieve 125W of Class A power output into an 8 ohm load.

### **Features**

- Legendary Hitachi power MOSFETs utilized in the output stage
- Separate power transformers, power supplies and voltage regulators for the amplifier, driver, and output stages.
- Output stage with 0.1F (100,000 $\mu$ F) of total filter capacitance including 80,000 $\mu$ F following the output stage voltage regulators
- Small footprint 17" (W) x 11"(D) x 18" (H) makes it easy to fit in any audio environment.

### **Innovations**

- The output stage is configured around two internally mounted heat sink "towers" cooled by ultra-low noise fans to provide many years of reliable operation
- An ultra-low noise chassis fan provides air circulation to maintain a low internal ambient temperature.
- The output DC offset voltage, output stage bias current and voltage can be monitored using a built in volt meter behind the front panel hinged door.

### **Performance**

- 125 watts class A into 8 ohms
- -3dB power bandwidth > 200kHz
- Throughput gain:
  - Unbalanced Input – 25dB
  - Balanced Input -- 25dB or 31dB (User selectable)

A white paper containing the design philosophy, technical innovations and specifications of the DSA Amp I is available upon request.

High resolution photos of the Amp I are also available upon request.

For more information, please contact DSA's Director of Sales and Marketing David Sckolnik at 386-873-2388 or david@dynamicssounds-assoc.com and of course visit us in Room 7018.