

Prime 1,200 Watt Class-D Mono Amplifier R1200-1D Specification

CEA-2006 Compliant



CEA-2006 Power Rating

400W x 1 @ 4Ω

≤1.0% THD+N

Number of Channels

1

Total Power

(Sum of Rated Power)

1200 Watts RMS

Rated Power

(RMS Continuous Power)

400 Watts x 1 @ 4-Ohm

800 Watts x 1 @ 2-Ohm

1200 Watts x 1 @ 1-Ohm

Dynamic Power

(PVC/PowerCube®)

499 Watts x 1 @ 4-Ohms 0° Res

898 Watts x 1 @ 2-Ohms 0° Res

1,400 Watts x 1 @ 1-Ohm 0° Res

Bridgeable

No

Frequency Response

20Hz to 250Hz +/-1dB

Input Sensitivity

150 mV to 4 V

Circuit Topology Class

Class D

Efficiency (average)

85% @ 4-Ohm

85% @ 2-Ohm

80% @ 1-Ohm

Total Harmonic Distortion (THD+Noise)

4-Ohm: <1.0%

2-Ohm: <1.0%

1-Ohm: <1.0%

Signal Input

Low Level: 1 RCA Pair

Signal Output

Low Level: 1 RCA Pair

Tone Controls

0dB to +18dB @ 45Hz

Crossover Controls

Low-Pass: Variable 50Hz - 500Hz @ 12dB/Octave

Infrasonic:

Remote Controls

Punch Level Control

(when connected, is linked to "gain control" to provide remote output level)

Visual Indicators

Power

Protect

Power Wire Gauge

4 AWG

Power Input Connector

Block

Speaker Wire Gauge

12 AWG

Speaker Output Connector

Block

Cooling

Convection

Heatsink

Operating Voltage

9 - 16 VDC

Recommended Fuse

(not included)

150 A

Average Current Draw (13.8V Music)

55 A

Max. Current Draw (13.8V Sinewave)

110 A

Suggested Alternator

100 A

Dimensional Diagram

Dimensions (H x W x D)

1.97" x 6.77" x 11.06"

(5cm x 17.20cm x 28.10cm)

Shipping Weight

7.825 Lbs. (7.82 Kg.)