

DESIGN FEATURES

CIRCUIT CONFIGURATION:

FREQUENCY RESPONSE:

SIGNAL TO NOISE RATIO:

INPUT SENSITIVITY:

CROSSOVER CIRCUIT:

HIGH PASS CROSSOVER:

LOW PASS CROSSOVER:

DAMPING FACTOR:

REMOTE CONTROL W/CLIP, VOLTMETER:

POWER TERMINAL GAUGE

FUSE RATING:

DIMENSIONS:

RIOT 13000

CLASS D FULLBRIDGE

10 HZ ~ 24 KHZ (-3 DB)

>90 DB (MIN GAIN)

6 V ~ 0.2 V

12 DB / OCT

10 HZ~ 2 KHZ (SUBSONIC)

50 HZ ~ 20 KHZ

>200



0 GA X 2

750 A

8.5 X 2.4 X 16.5" - 217 X 61 X 420 MM

ALL FEATURES ARE SUBJECT TO CHANGE IN THE CONTINUING EFFORT TO IMPROVE THE PRODUCTS WITHOUT NOTICE

CONTINUOUS OUTPUT POWER (RMS)

MEASURED @ <1% THD (50 HZ)

14.4 V < 1% THD

OUTPUT POWER @ 4 Ω: 2800 W

OUTPUT POWER @ 2 Ω: 5500 W

OUTPUT POWER @ 1 Ω: 10000 W

OPERATIONAL VOLTAGE: 10V~16.5V CURRENT DRAW: 750 A EFFICIENCY (AVERAGE): 80%

DESCRIPTIONS OF SPECIFICATIONS

OPERATION BELOW MINIMUM IMPEDANCE WILL STRESS THE AMPLIFIER & EXCESSIVE HEAT CAN OCCUR, CAUSING THE AMPLIFIER TO GO INTO THERMAL PROTECTION. THE AMPLIFIER CAN EVENTUALLY BECOME UNSTABLE AND COMPONENTS MAY BREAK!

THE CIRCUIT MAY SUSTAIN PERMANENT DAMAGE AND PROTECTION/CLIP LIGHTS WON'T TURN OFF OR FLASH SEQUENTIALLY. THE AMPLIFIER CAN'T BE STRAPPED/BRIDGED.

PROTECTION MAY ALSO BE CAUSED BY THE FOLLOWING

*INPUT VOLTAGE FROM HEADUNIT BEING TOO HIGH / LOW / POWER SUPPLY VOLTAGE TOO HIGH / LOW.

*SPEAKER OVERLOAD

*SHORT CIRCUIT

***CAUTION, SPEAKER OUTPUTS WILL HAVE RAIL VOLTAGE EVEN AFTER THE AMPLIFIER HAS BEEN TURNED OFF FOR A WHILE! DO NOT SHORT THE CONNECTIONS! MEASURE WITH A DMM (MULTI METER) PRIOR TO MAKING ANY CHANGES TO THE SPEAKER WIRES.**

*FULL OUTPUT POWER ACCORDING TO THE SPEC IS BASED ON A SUFFICIENT ELECTRICAL SUPPLY SYSTEM. IF YOUR SYSTEM IS INADEQUATE, THE EFFICIENCY OF THE AMPLIFIER DECREASES HURTING THE PERFORMANCE!

THE RIOT 13000 WILL NEED A DEDICATED AGM BATTERY SUPPLY OF MIN. 4 AGM BATTERIES OF 125 AH AND 1750 CCA EACH.. IF YOU ARE USING A COMMON LITHIUM SOURCE OF 6C, USE A 180 AH LITHIUM BATTERY.