

## CEA-2006-A SPECIFICATIONS

**POWER RATING:** **750 Watts one channel @ 4 Ohms < 1% THD+N**  
**SN RATIO:** **>89 dBA (reference: 1 Watt into 4 Ohms)**

## GT Trading SPECIFICATIONS (Tease = 25 °C / 4 Ohms stereo / 0.2V input level if no otherwise specified)

**POWER RATINGS:**  
**750 Watts one channel @ 4 Ohms < 0.3% THD+N**  
**1800 Watts one channel @ 2 Ohms < 0.3% THD+N**  
**2500Watts (\*) one channel @ 1 Ohms < 0.3% THD+N**

**Power output @ 4 Ohm / 14V4 / 100Hz / STEREO / 0.3% THD:**

**750 W x 1 – 65 A – 82 % efficiency**

**Power output @ 2 Ohm / 14V4 / 100Hz / STEREO / 0.3% THD:**

**1800 W x 1 – 110 A – 80 % efficiency**

**Power output @ 1 Ohm / 14V4 / 100Hz / BRIDGE / 0.3% THD:**

**2800 W x 1 – 215 A – 80 % efficiency**

**THD @ 4 Ohm / 14V4 / STEREO:**

**< 0.03 % (100Hz / Power rating ref)**

**THD @ 2 Ohm / 14V4 / STEREO:**

**< 0.04 % (100Hz / Power rating ref)**

**THD @ 4 Ohm / 14V4 / BRIDGE:**

**< 0.03 % (100Hz / Power rating ref)**

**DIM @ 4 Ohm / 14V4 / STEREO:**

**< 0.003 % (Power rating ref)**

**DIM @ 2 Ohm / 14V4 / STEREO:**

**< 0.004 % (Power rating ref)**

**DIM @ 4 Ohm / 14V4 / BRIDGE:**

**< 0.003 % (Power rating ref)**

**DC-DC converter typology:**

**Regulated, PWM**

**Conversion frequency:**

**125 KHz (± 6 %)**

**Absolute maximum operation supply voltage range:**

**10 V ÷ 16 V**

**Recommended operation supply voltage range:**

**11 V ÷ 14.4 V**

**Undervoltage cutoff Threshold / delay time:**

**10 V / 60 secs.**

**Ovvoltge cutoff Threshold / delay time:**

**16 V / 10 secs.**

**Mute delay time:**

**3 secs.**

**±Vec span regulation @ 14.4 Volt:**

**75 V**

**Secondary voltages (Amp. / Bias / Pre.) @ 14.4 Volt:**

**±31.25 V / ±4.3 V / ±14.9 V**

**Max output offset voltage (each channel):**

**±20 mV**

**Standby current @ 14.4 Volt:**

**< 1 mA (0.7 mA typ.)**

**Quiescent consumption @ 12.6 Volt / 14.4 Volt:**

**3.5 A / 3.8 A (no idle current regulation)**

**Idle current regulation @ 14.4 Volt (4 Ohm STEREO - no signal):**

**0.1 A per channel**

**Quiescent consumption @ 12.6 Volt / 14.4 Volt:**

**0.91 A / 0.8 A (with 0.2 A total idle current regulation)**

**Thermal protection consumption @ 14.4 Volt:**

**0.75 A**

**Battery ground vs secondary ground decoupling:**

**R.C. network (22R \* 100n)**

**Body ground vs battery ground decoupling:**

**R.C. network (15R // 100n)**

**Bandwidth (-3dB ÷ 1 Watt) @ 14.4 Volt (4 Ohm STEREO):**

**5 Hz ÷ 5000 Hz**

**Input sensitivity @ 14.4 Volt (4 Ohm STEREO) – Power rating ref:**

**0.2 V ÷ 5.3 V (0.2 V ÷ 5 V declared)**

**Input impedance @ 1 KHz (STEREO input):**

**10 KOhm**

**Input capacitance @ 1 KHz (STEREO input):**

**220 pF**

**Input ground decoupling:**

**R.C. network (15R // 100n)**

**S/N ratio (AP filter 10 Hz - 500 KHz) – Power rating ref:**

**89 dB**

**S/N ratio (AP filter 10 Hz - 22 KHz) – Power rating ref:**

**107 dB ("A" weighted)**

**Eq. Input noise (AP filter 10 Hz - 500 KHz):**

**7.1 uV**

**Eq. Input noise (AP filter 10 Hz - 22 KHz):**

**0.9 uV ("A" weighted)**

**Channel separation@ 100Hz / 1KHz / 10KHz – Power rating ref:**

**106 dB / 87 dB / 67 dB**

**Xover functions:**

**INPUT Passthrough:**

**HIGH Pass & LOW Pass (BAND Pass allowed)**

**90 / 70 °C**

**45 / 40 / 70 °C**

**Suggested fuse:**

**250A (External)**

(\*) Input signal: 100Hz, Burst 40 cycles, Interval 120 cycles, 0% Low level. Power measured after 10 cycles.