

CEA-2006-A SPECIFICATIONS

POWER RATING: 95 Watts per channel @ 4 Ohms < 1% THD+N
SN RATIO: >91 dBA (reference: 1 Watt into 4 Ohms)

GT Trading SPECIFICATIONS (*T_{case} = 25 °C / 4 Ohms stereo / 0.2V input level if no otherwise specified / All channels operative*)**POWER RATINGS:**

95 Watts per channel @ 4 Ohms < 0.3% THD+N
155 Watts per channel @ 2 Ohms < 0.3% THD+N
310 Watts^(*) per channel @ 1 Ohms < 0.3% THD+N
310 Watts BTL mode @ 4 Ohms < 0.3% THD+N
620 Watts^(*) BTL mode @ 2 Ohms < 0.3% THD+N
Serial® Power mode not available.

Power output @ 4 Ohm / 14V4 / 1KHz / STEREO / 0.3% THD:
Power output @ 2 Ohm / 14V4 / 1KHz / STEREO / 0.3% THD:
Power output @ 4 Ohm / 14V4 / 1KHz / BRIDGE / 0.3% THD:

95 W x 4 – 38.3 A – 62.4 % efficiency
165 W x 4 – 79.6 A – 55.5 % efficiency
318 W x 2 – 79.6 A – 55.5% efficiency

THD @ 4 Ohm / 14V4 / STEREO:
THD @ 2 Ohm / 14V4 / STEREO:
THD @ 4 Ohm / 14V4 / BRIDGE:
DIM @ 4 Ohm / 14V4 / STEREO:
DIM @ 2 Ohm / 14V4 / STEREO:
DIM @ 4 Ohm / 14V4 / BRIDGE:

< 0.04 % (1KHz / Power rating ref)
< 0.04 % (1KHz / Power rating ref)
< 0.04 % (1KHz / Power rating ref)
< 0.003 % (Power rating ref)
< 0.004 % (Power rating ref)
< 0.004 % (Power rating ref)

DC-DC converter typology:**Conversion frequency:****Regulated, PWM****52 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.****Overvoltage cutoff Threshold / delay time:****16 V / 10 secs.****Mute delay time:****3 secs.****±Vcc span regulation @ 14.4 Volt:****54 V****Secondary voltages (Amp. / Bias / Pre.) @ 14.4 Volt:****±27 V / ±4.4 V / ±14.7 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:****0.9 A / 0.82 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:****1.34 A / 1.22 A (with 0.4 A total idle current regulation)****Thermal protection consumption @ 14.4 Volt:****0.9 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 ÷ 150 KHz****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:****91 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):****5.6 uV****Eq. Input noise (AP filter 10 Hz - 22 KHz):****0.9 uV (“A” weighted)****Channel separation @ 100Hz / 1KHz / 10KHz – Power rating ref:****83 dB / 79 dB / 65 dB****Xover functions:**

Same features for Section A & Section B;

HIGH Pass or LOW Pass (BAND Pass not allowed)

(60÷80÷100÷120Hz) or AQXM2 modules

12 dB/oct - 0.7**90 / 70 °C****45 / 40 / 70 °C****Filter slope - Filter "Q":****Thermal cutoff / recovery Threshold:****INTELLISPEED® start / stop / max force Threshold:****Damping factor @ 100 Hz (4 Ohm STEREO) - 10 Watt ref:****525 / 1585 (R/L section A) ÷ 488 / 1604 (R/L section B)****Damping factor @ 1 KHz (4 Ohm STEREO) - 10 Watt ref:****527 / 1272 (R/L section A) ÷ 530 / 1608 (R/L section B)****Damping factor @ 10 KHz (4 Ohm STEREO) - 10 Watt ref:****331 / 488 (R/L section A) ÷ 334 / 642 (R/L section B)****Output impedance @ 1 KHz (4 Ohm STEREO) - 10 Watt ref:****7.6 mOhm / 3.1 mOhm & 7.5 mOhm / 2.5 mOhm****Overload cutoff @ 14.4 Volt:****1 Ohm / 2 Ohm (Stereo / Bridged)****Current consumption @ 2 Ohms / 12.6 Volt / STEREO:****83.8 A (Power rating ref)****Suggested fuse:****80 A (External)**

(*) Input signal: 1KHz, Burst 40 cycles, Interval 120 cycles, 0% Low level. Power measured after 10 cycles.