

CEA-2011-A SPECIFICATIONS

POWER RATING: 750 Watts @ 4 Ohms < 1% THD+N
SN RATIO: >89 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*)

POWER RATINGS:

750 Watts @ 4 Ohms < 0.3% THD+N
1.600 Watts @ 2 Ohms < 0.3% THD+N
2.800 Watts @ 1 Ohms < 0.3% THD+N
5.000 Watts @ 0.5 Ohms < 0.3% THD+N
10.000 Watts (*) Serial® Power mode @ 1 Ohms < 0.3% THD+N

THD @ 4 Ohm / 14V4 / BRIDGE: < 0.05 % (100Hz / Power rating ref)
THD @ 2 Ohm / 14V4 / BRIDGE: < 0.05 % (100z / Power rating ref)
THD @ 4 Ohm / 14V4 / BRIDGE: < 0.05 % (100Hz / Power rating ref)

DC-DC converter typology:	Regulated, PWM
Conversion frequency:	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.
Overshoot cutoff Threshold / delay time:	16 V / 10 secs.
Mute delay time:	5 secs.
±Vcc span regulation @ 14.4 Volt:	160 V
Secondary voltages (Amp. / Bias / Pre.) @ 14.4 Volt:	±80 V / ±15 V / ±14.9 V
Max output offset voltage (each channel):	±20 mV
Standby current @ 14.4 Volt:	< 1 mA (3.5 A typ.)
Thermal protection consumption @ 14.4 Volt:	1.5 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 ÷ 500 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 @ 500 Hz (STEREO input):	10 KOhm
Input capacitance @ 500 Hz (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;
	LOW Pass (BAND Pass allowed)
	(45-450Hz)
Xover frequency range:	
Thermal cutoff / recovery Threshold:	90 / 70 °C
INTELLISPEED® start / stop / max force Threshold:	45 / 40 / 70 °C
Overload cutoff @ 14.4 Volt:	0.5 Ohm (Bridged)
Current consumption @ 2 Ohms / 12.6 Volt / STEREO:	500 A (Power rating ref)
Suggested fuse:	350 A (External)

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