

# NIKO 1.7000 PRODUCT SPECIFICATIONS [Rev. 0 - Last update: 2018-09-04]

## CEA-2006-A SPECIFICATIONS

POWER RATING: **650 Watts per channel @ 4 Ohms < 1% THD+N**  
SN RATIO: **>89 dBA (reference: 1 Watt into 4 Ohms)**

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

### POWER RATINGS:

650 Watts per channel @ 4 Ohms < 0.3% THD+N  
1200 Watts per channel @ 2 Ohms < 0.3% THD+N  
2000 Watts per channel @ 1 Ohms < 0.3% THD+N  
3500 Watts per channel @ 0,5 Ohms < 0.3% THD+N  
2350 Watts BTL mode @ 4 Ohms < 0.3% THD+N  
3850 Watts BTL mode @ 2 Ohms < 0.3% THD+N  
7000 Watts BTL mode @ 1 Ohms < 0.3% THD+N  
Serial®Power mode not available.

Power output @ 4 Ohm / 14V4 / 100Hz / STEREO / 0.3% THD:  
Power output @ 2 Ohm / 14V4 / 100Hz / STEREO / 0.3% THD:  
Power output @ 1 Ohm / 14V / 100Hz / STEREO / 0.3% THD:  
Power output @ 0,5 Ohm / 14V / 100Hz / STEREO / 0.3% THD:  
Power output @ 4 Ohm / 14V4 / 100Hz / BRIDGE / 0.3% THD:  
Power output @ 2 Ohm / 14V / 100Hz / BRIDGE / 0.3% THD:  
Power output @ 1 Ohm / 14V4 / 100Hz / BRIDGE / 0.3% THD:

650 W x 2 – 112,8 A – 80 % efficiency  
1200 W x 2 – 234,4 A – 71.10 % efficiency  
2000 W x 2 – 404,4 A – 70.65 % efficiency  
3500 W x 2 – 800 A – 70.65 % efficiency  
2350 W x 1 – 232 A – 70.34 % efficiency  
3850 W x 1 – 400 A – 68.75 % efficiency  
7000 W x 1 – 940 A – 64,75 % efficiency

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

< 0.04 % (40Hz / Power rating ref)  
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< 0.04 % (40Hz / Power rating ref)

### DC-DC converter typology:

#### Conversion frequency:

#### Absolute maximum operation supply voltage range:

#### Recommended operation supply voltage range:

#### Undervoltage cutoff Threshold / delay time:

#### Overvoltage cutoff Threshold / delay time:

#### Mute delay time:

#### ±Vcc span regulation @ 14.4 Volt:

#### Secondary voltages (Amp. / Driver / Pre.) @ 14.4 Volt:

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

#### Standby current @ 14.4 Volt:

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

#### Thermal protection consumption @ 14.4 Volt:

#### Battery ground vs secondary ground decoupling:

#### Body ground vs battery ground decoupling:

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

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

#### Input impedance @ 100 Hz (STEREO input):

#### Input capacitance @ 100 Hz (STEREO input):

#### Input ground decoupling:

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

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

#### Xover functions:

### Regulated, PWM

43 KHz (± 6 %)

9 V ÷ 16 V

11 V ÷ 14.4 V

8,5 V / 30 secs.

16 V / 10 secs.

5 secs.

143 V

±71,5 V / ±15 V / ±15 V

±1 mV

< 1 mA (0.7 mA typ.)

3 A / 2,8 A

3,5 A

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

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

5 Hz ÷ 400 Hz

0,3 V ÷ 5,3 V (0,2 V ÷ 5 V declared)

10 KOhm

220 pF

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

72 dB

99 dB (“A” weighted)

Same features for Section A & Section B;

HIGH Pass or LOW Pass (BAND Pass not allowed)

(60÷80÷100÷120Hz) or AQXM2 modules

82 / 80 °C

40 / 40 / 82 °C

0,5 Ohm / 1 Ohm (Stereo / Bridged)

940 A (Power rating ref)

350 A x 2 (External)

### Thermal cutoff / recovery Threshold:

### INTELLISPEED® start / stop / max force Threshold:

### Overload cutoff @ 14.4 Volt:

### Current consumption @ 0,5 Ohms / 12.6 Volt / STEREO:

### Suggested fuse:

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