

SOUNDMASTER

PROFESSIONAL TREE CHANNEL POWER AMPLIFIER

PRO3000



TECHNICAL SPECIFICATIONS

Input channel	2 (A, B)
Output channels	3 (A, B, Sub)
Output stage	Mosfet, class D device
Output stage power supply (max)	±68V
PWM frequency	400kHz ±25kHz
Power supply filter capacity	56400µF

Output power (1ch, 20Hz ÷ 20kHz, TDH 0,5%, 230V/50Hz, Limiter off)	
into 8Ω out A (out B)	≥270W
into 4Ω out A (out B)	≥500W
into 2Ω out A (out B)	≥800W
into 8Ω out Sub	≥1000W
into 4Ω out Sub	≥1600W

Dynamic power (out Sub, 100Hz, 4Ω, 50ms)	2230W
Dynamic power (out A/out B 1kHz, 2Ω, 50ms)	1100W
Max output voltage (out Sub, 100Hz, TDH 1% no load)	96V RMS
Max output voltage (out A/out B 1kHz, TDH 1%, no load)	48V RMS
Minimal load impedance (protection limited)	
out A(out B)	1,5 Ω
out Sub	3 Ω

Frequency response (+0dB -3dB, out A(out B), Low cut off)	7Hz ÷ 28kHz
Low cut (custom made filter parameter possible)	75Hz, 6dB/oct
Variable Sub out high cut frequency (custom made filter parameter possible)	70Hz ÷ 200Hz, 12dB/oct
Voltage gain	40
Input sensitivity	1,1V RMS (+3dB)
Max input level	7,75V RMS/+20dB
TDH (20Hz ÷ 20kHz, -3dB, out A (out B))	≤0,15%
TDH (20Hz ÷ 200Hz, -3dB, out Sub)	≤0,09%
Slew rate out A (out B) (ultrasonic filter off)	≥45V/µs
Damping factor (into 8Ω, 20Hz ÷ 1kHz)	≥250
Signal/Noise ratio (limited 20Hz ÷ 20kHz)	≥95dB
DC output offset	±20mV

Protections short circuit, DC out, thermal cut off, limiter, slow start, rail over voltage, rail under voltage

Short circuit protection self reset time	10s
Cooling	Variable speed DC fan
AC power consumption (max)	220V/50Hz ±10%, ~3600W
AC power consumption (full music load)	220V/50Hz ±10%, ~1600W
Weight	26kg

