

# AMPLIFIER

**HP 3001** **3600 W**  
MAX POWER

D-CLASS MONO AMPLIFIER WITH CROSSOVER



### Power Supply

Power supply voltage:	11 ÷ 15 VDC
Idling current (power ON/OFF):	2 A / 0.04 mA
Consumption @ 1 Ω, 14.4 VDC (Max Musical Power):	150 A
Remote In:	7 ÷ 15 VDC - 1 mA

### Amplifier Stage

<b>Features:</b>	
Distortion - THD (100 Hz @ 4 Ω):	0.1 %
Bandwidth (filter off):	10 ÷ 500 Hz
S/N Ratio (A weighted @ 1 V):	96 dB
Damping factor (100 Hz @ 4 Ω):	150
Pre-In sensitivity:	0.3 ÷ 5 VRMS (15 kΩ)
Load impedance (MIN):	1 Ω

### Output Nominal Power (RMS) @ 14.4 VDC, THD 1%:

1 Ch:	1200 W x 1 (4 Ω)
1 Ch:	2000 W x 1 (2 Ω)
1 Ch:	3000 W x 1 (1 Ω)

### Output Power (RMS) @ 14.4 VDC, THD 10%:

1 Ch:	1440 W x 1 (4 Ω)
1 Ch:	2400 W x 1 (2 Ω)
1 Ch:	3600 W x 1 (1 Ω)

### Chain Power (RMS) @ 14.4 VDC:

2 Amp - Chain mode (1 Ch):	4000 W (4 Ω - THD 1%)
2 Amp - Chain mode (1 Ch):	6000 W (2 Ω - THD 1%)
2 Amp - Chain mode (1 Ch):	4800 W (4 Ω - THD 10%)
2 Amp - Chain mode (1 Ch):	7200 W (2 Ω - THD 10%)

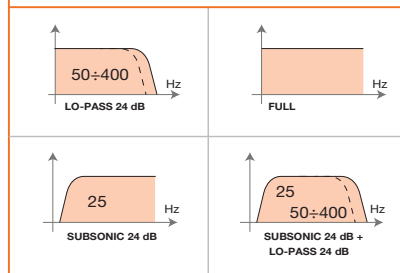
### Inputs / Outputs / Filter

<b>INPUTS:</b>	PRE IN
Filters On-Off:	Yes
Lo-Pass:	50 ÷ 400 Hz @ 24 dB/Oct.
SUBSONIC (on/off):	25 Hz @ 24 dB/Oct.
PHASE (adjust):	(0 ÷ 180) deg
Remote Volume Control (adjust):	(-50 ÷ 6) dB
Link Master-Slave:	Yes

1. In order to deliver such extraordinarily high power, the power supply stage features 5 toroidal transformers, 10 - 2200 uF 105° Low ESR primary capacitors for a total of 22000uF, 10 - 130A TO247 Mosfets and 8 - 1000uF secondary capacitors capable of 160V.
2. The D-Class output stage features 8 - 240A/300V impulsive current Mosfets: robust power and thermal dissipation without compromise.
3. Inputs and outputs to cascade-connect a second amplifier, for high power SPL levels.
4. By-passable Lo-Pass filter, providing full system design flexibility with external processors.
5. Subsonic filter (24 dB – 25 Hz), removes very low subsonic frequencies from music signal to avoid damages to the subwoofer.
6. Continuously adjustable Phase control (0 to 180°); it increases bass alignment of woofer with sub.
7. Included Remote Volume Control (HRC); allows the user to adjust subwoofer level from dashboard.

### Configurations

#### Speaker Output



### Size / Weight

Max size (mm / in.):	544 x 240 x 65,5 / 21.41 x 9.45 x 2.55
Weight (kg / lb.):	8,3 / 18.29