





# D CLASS MONO POWER **AMPLIFIER**

## Power Supply

Power supply voltage:	11÷15 VDC
Idling current:	0,8 A
Idling current when off:	0.04 mA
Consumption @1Ω, 14.4 VDC (Max Musical Power): 23 A	

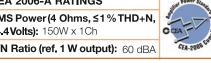
### Amplifier stage

Distorsion - THD (100 Hz @ 4	<b>Ω):</b> 0.15 %
Bandwidth (-3 dB):	15 Hz ÷ 250 Hz
S/N Ratio (A weighted @ 1 V)	: 100 dB
Damping factor (100 Hz @ 4Ω	<b>2):</b> 150
Pre-In sensitivity:	0.3 ÷ 5 V
Pre-In impedance:	15 k <b>Ω</b>
Speaker-In sensitivity:	1.4 ÷ 24 V
Speaker-In impedance:	470 Ω
Load impedance: 1 Ch	4 ÷ 1Ω

#### **CEA 2006-A RATINGS**

RMS Power (4 Ohms, ≤1 % THD+N, **14.4Volts):** 150W x 1Ch





OUTPUT POWER (RMS) @ 14.4	· VDC, THD 1%:
1 Ch	200W x 1 (4 Ω)
1 Ch	320W x 1 (2 Ω)
1 Ch	450W x 1 (1 Ω)

### Other features

Remote	ln:	6 ÷ 15 VDC - 1 mA
Remote	Out:	12 VDC - 15 mA
ART™:	: Automatic Remote Turn-On/Off with Speaker-In	
Fuse:		2 x 30 A



- Thermally optimized die-cast heatsink;
- Silver colour shrouds, hide connections and control panel, providing a hi-tech look;
- HE Status logo monitors the status of the amplifier;
- HE Input featuring either Speaker In (OEM radio) or RCA Aftermarket radio) inputs;
- ART™, Automatic Remote Turn-On/Off function, automatically turns on and off the amplifier when the OEM radio turns on and off (available on Speaker In only);
- Full range Pre-out, also available when using Speaker Level In inputs; 6
- Continuously variable (0-180°) phase control for proper alignment of the subwoofer output with the front woofers;
- Continuously adjustable (15 to 40Hz) 24dB/Oct. subsonic filter;
- Continuously adjustable (0 to +12dB) Bass Boost at 50Hz.
- 10 Real 24dB/Oct. continuously adjustable (40 to 250Hz) Lo-Pass filter;
- 11 Dual Multiple Winding transformer power supply stage, Low-ESR 105°C capacitors, Synchro D-Class 1 Ω stable (450W RMS) output stage based on solid TO247 Power Mosfets.

#### Input/Output configuration

Input	Speaker	Pre Out
L&R	Mix L+R	L+R
L	Mix L+R	L
R	Mix L+R	R

#### Filter configuration

Config.	AMP	PRE OUT
1	Subsonic Lo-pass 24 dB	Bypass
Inpute/Outpute		

Input	PRE / Speaker
Output	PRE Bypass

### Filters & Controls

**Lo-Pass:** Lo-pass: 40 ÷ 250 Hz @ 24 dB/Oct. Subsonic: Hi-pass: 15 ÷ 40 Hz @ 24 dB/Oct. Bass Boost: 0 ÷ + 12 dB @ 50 Hz Output Phase Control (Continuous):  $0 \div 180^\circ$ 

#### **Dimensions**

Max size (mm/inches): 266 x 389 x 63,5 10"1/2 x 11"13/8 x 2"1/2 Weight (kg/lb): 2,503 / 5,518