Processors

HMD8 DSP



The HMD8 DSP, powered by Hertz Marine DSP technology, rich new highs of listening pleasure during navigation. DSP user friendly PC-Software interface make the setup process a breeze, exploiting every single pills of performance from the installed speaker system. The amazing power of 8 * 85 W or 4 * 260 W (RMS@ 4Ohm) gives the HMD 8DSP the capability to drive with authority the complete speaker system generating tons of crystal clear SPL up to 3 different zone of the vessel. "Power for the Waves" design philosophy features a sturdy enclosure made of extruded aluminum with an anti-corrosion treated PCB to ensure years of listening pleasure in open water.

GENERAL SPECIFICATIONS

POWER SUPPLY	
Operating power supply voltage	11 ÷ 15 VDC / 2 x 30A
Power supply	6.5V ÷ 17V
Idling current	1.6 A
Switched off	1.7mA
Consumption @ 14.4 VDC, 2Ohm, Max Musical Power	55 A
Remote IN voltage	6 ÷ 15 VDC (1 mA)
Remote OUT voltage	4 ÷ 15 VDC (150 mA)

AUDIO SPECIFICATIONS

AMPLIFIER STAGE	
Distortion - THD @ 1 kHz, 4Ohm, 70% Rated Power	0.06%
Damping factor @ 1 kHz, 4Ohm, 2 VRMS	> 110
Bandwidth @ -1.5 dB	10Hz ÷ 22kHz
S/N ratio (A weighted @ 1 V Input) Master Input	100 dBA
S/N ratio (A weighted @ 1 V Input) Optical Input	105 dBA
Input sensitivity Pre-In	0.6 ÷ 6 VRMS
Input sensitivity Speaker-In	2.2 ÷ 22 VRMS
Minimum load impedance	8Ch: 2Ohm
	4Ch - (Bridge 1/2; 3/4; 5/6; 7/8) : 4Ohm
OUTPUT POWER (RMS) @28.8 VDC, 1% THD:	
8Ch @ 4Ohm	85 W x 8
8Ch @ 2Ohm	130 W x 8
4Ch (Bridge 1/2; 3/4; 5/6; 7/8) @ 4Ohm	260 W x 4

DIGITAL SIGNAL PROCESSOR

All the specifications subject to change without notice_20.A

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Filter type	Full / High pass / Low pass / Band pass
Filter model and slope	Butterworth (6, 12, 18, 24, 30, 36, 42, 48, 54, 60 dB/oct) Linkwitz-Riley (12, 24, 36, 48, 60 dB/oct) Bessel (6, 12, 18, 24, 30, 36, 42, 48, 54, 60 dB/oct) Chebyshev (6, 12, 18, 24, 30, 36, 42, 48, 54, 60 dB/oct) QLP quasi-linear phase (6, 12 dB/oct)
Crossover frequency	20 Hz – 20000 Hz integer values
Phase control	0 ° - 180°, all pass equalizer poles
Output equalizer	Graphic and Parametric modes n. 10 parametric poles (Peaking, High Shelf, Low Shelf, Notch, All pass) ±12 dB gain, variable Q (0.5 – 16.0) n. 10 graphic poles
Time alignment distance	0 - 510 cm (0 – 200.8 inches)
Time alignment delay	0 - 15 ms
Time alignment step	1 cm
Time alignment fine set step	1 sample
Memories	n. 2 memories n. 3 parametric poles for each memory (Peaking, High Shelf, Low Shelf) ±12 dB gain, variable Q (0.5 – 16.0)
Preset	Rotary switch for 7 installation presets

PHYSICAL SPECS

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