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D250A PWM Amplifier



D250A specs

Rated power 4 ohms	250W
Power supply max.	2 x 45V DC
Aux. supply	16V DC
Freq. Range (+0, -1dB)	20 - 20.000 Hz
THD + N	0.02% typ.
Dynamic Range	110 dB typ.
Max. output current	20A
Min. load impedance	4 ohms
Damping Factor	400 typ.
Input voltage	1V - 10 k - balanced
Operation	Half bridge amplifier
Plugin/expansion header	yes
Peak limiter	yes
Dimensions	100 x 80 x 25mm
Heatsink	external (small)
Available as sample	yes
Available as OEM design	yes

D250A is a PWM /Class-D amplifier designed to give very high performance in audio quality and to deal with all aspects of amplifier use and applications including amplifier + power supply combination, multichannel use, active crossover use, etc.

Power output is 250 W into 4 ohms, overcurrent protection is likely to operate with continuous high power levels into 2 ohms.

D250A is a full bandwidth module (20 kHz power bw) and can be used for a broad range of applications from HIFI, Home Cinema to Pro Audio, Active Speakers, Installation... Sound quality is very good indeed and THD + N is 0.02% or better.

The D250A can be powered from a linear supply, a switch-mode supply, a D250ASW or a D1000ASW module.

D250A has these connections:

- * Balanced input header (3-pin molex)
- * Expansion header (8-pin molex) with in/out/output + power for external signal processing, crossover, eq,...
- * Front panel header (7-pin molex) with volume control in/out + output to led meter and power for this.
- * Channel-2 link (6-pin molex) with clock and audio connection to additional channel module.
- * Mode selector (2x6 pin molex) selects fullrange, high or low for both main module and ch-2.
- * Power input (4-pin connector) 2 x 45VDC + 15VDC

