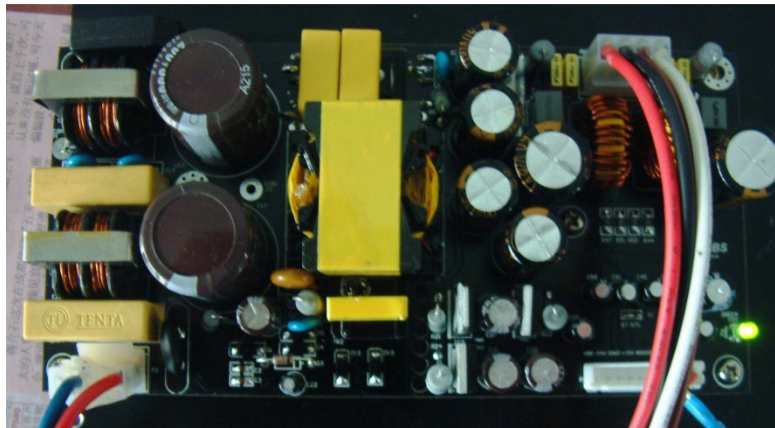
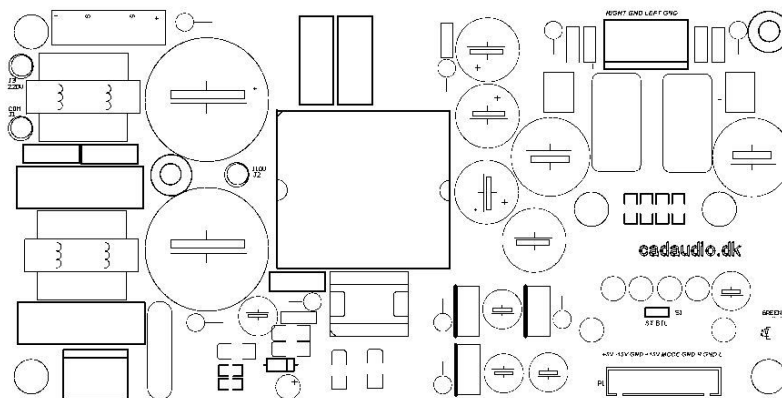


D125ASW2 PWM Amplifier + SMPS



D125ASW2 is a 2-channel class-d power amplifier with on-board switch-mode power supply. D125ASW2 is a versatile and compact solution for many applications in the audio field. D125ASW2 is rated at 2 x 125W into 2 ohms (1 x 250W BTL into 4 ohms) and has several means of protecting the amplifier and the load, overcurrent protection, thermal overload protection, soft-start etc. etc.



D125ASW2 mechanical outline

Amplifier specification	
Rated power 2 ohms – 2 ch	2 x 125W
Rated power 4 ohms – mono	1 x 250W
Power supply	110 to 240V AC
Aux. Supplies outputs	+15V, -15V . +5V all regulated DC
Freq. Range (+0, -1dB)	22 – 20.000 Hz
THD + N	0.05% typ.
Dynamic Range	110 dB typ.
Max. output current	12A
Min. load impedance	2 ohms SE / 4 ohms BTL
Damping Factor	400 typ.
Input voltage	1V - 40 k
Operation	2 ch Half bridge amplifier with smps
Peak limiter	yes
Dimensions	160 x 80 x 45mm
Heatsink	Optional

D125ASW2 PWM Amplifier + SMPS

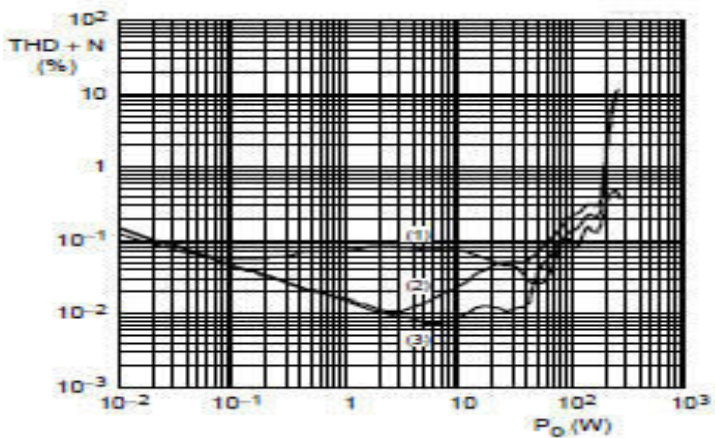
Header specifications.

Power Input	P12
1	AC Live
2	AC Neutral

Speaker Outputs	P7
1	+ Out CH1
2	- Out CH1
3	+ Out CH2
4	-Out CH2

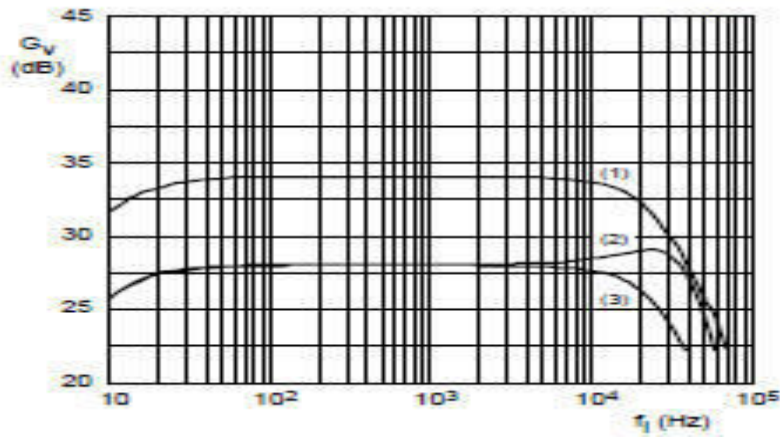
Inputs	P8
1	IN CH1
2	GND
3	IN CH2
4	GND
5	High Temp
6	+15V
7	GND
8	-15V
9	+5V

Performance Graphs

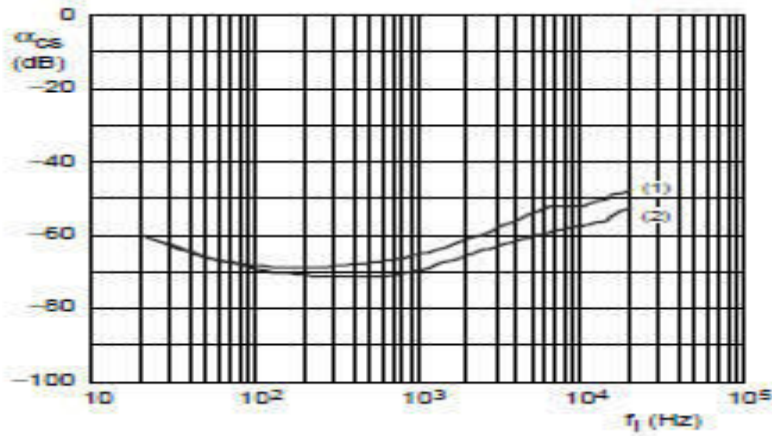


THD vs. Power Output – (1) 10 kHz , (2) 1 kHz , (3) 100 Hz, BTL 4 ohms

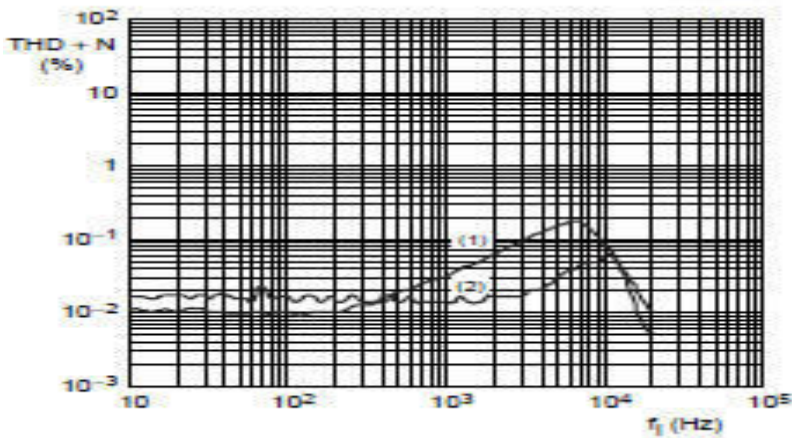
D125ASW2 PWM Amplifier + SMPS



Freq Response (1) BTL 8 ohms , (2)SE 2x8 ohms , (3) SE 2x4 ohms



Channel separation – 4 ohms BTL



THD + N vs. Frequency – BTL 4 ohms