

D150ASW2 PWM Amplifier + SMPS



D150ASW2 is a 2-channel class-d power amplifier with on-board switch-mode power supply. D150ASW2 is a versatile and compact solution for many applications in the audio field. D150ASW2 is rated at 2 x 150W into 8 ohms (1 x 300W into 4 ohms) and has several means of protecting the amplifier and the load, overcurrent protection, thermal overload protection, soft-start etc. etc.

Amplifier specification	
Rated power 8 ohms – 2 ch	2 x 150W
Rated power 4 ohms – par. mono	1 x 300W
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	0.03% typ.
Dynamic Range	110 dB typ.
Max. output current	10A
Min. load impedance	4 ohms 2 ch / 2 ohms 1 ch
Damping Factor	400 typ.
Input voltage	1V - 40 k
Operation	2 ch Full bridge amplifier with smps
Peak limiter	yes
Dimensions	250 x 65 x 45mm
Heatsink	Optional

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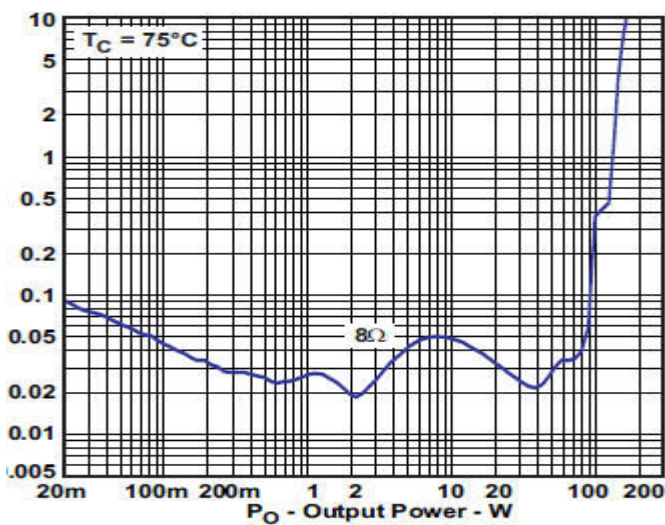
Header specifications.

Power Input	P12
1	AC Live
2	AC Neutral

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

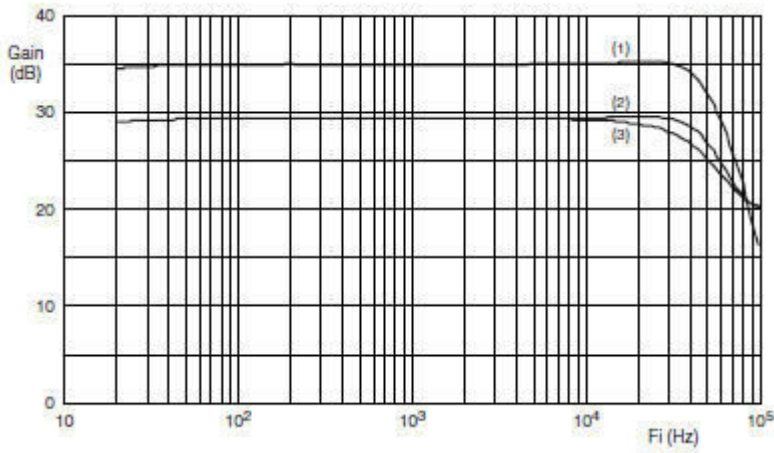
Inputs	P8
1	IN CH1
2	GND
3	IN CH2
4	GND
5	High Temp
6	+15V
7	GND
8	-15V
9	+5V

Performance Graphs

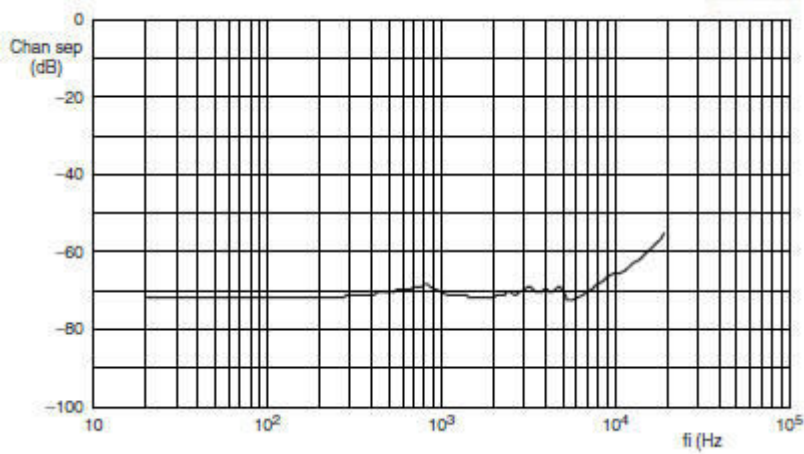


THD vs. Power Output – 2 ch – 8 ohms

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Freq Response (1) 8 ohms , (2) 4 ohms , (3) 3 ohms



Channel separation – 4 ohms