

D600ASW PWM Amplifier + SMPS



D600ASW is a class-d power amplifier with on-board switch-mode power supply. D600ASW is a versatile and compact solution for many applications in the audio field. D600ASW is rated at 600W 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 4 ohms	600W
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	26A
Min. load impedance	4 ohms
Damping Factor	400 typ.
Input voltage	1V - 40 k
Operation	1 ch Half bridge amplifier with smps
Peak limiter	Yes
Dimensions	220 x 100 x 41.5mm
Heatsink	Integrated

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Header specifications.

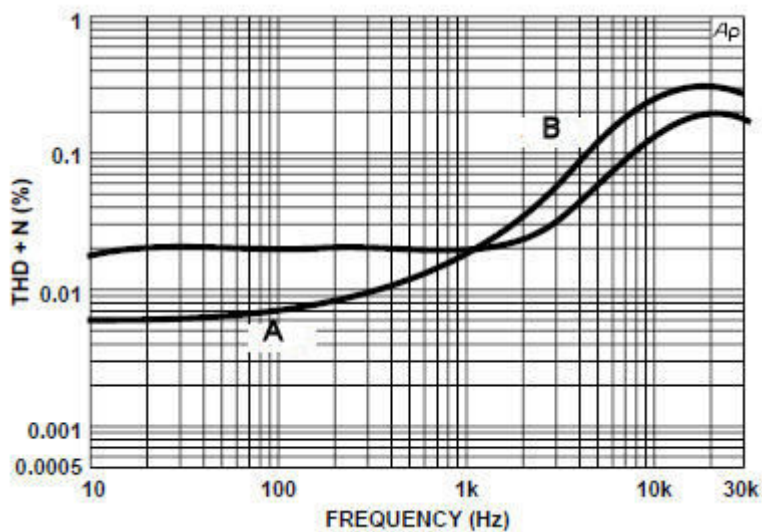
Power Input	P12
1	AC Live
2	AC Neutral

Speaker Outputs	P7
J1	+ out CH1
J2	-Out CH1

Input	P1
1	-IN
2	GND
3	+IN

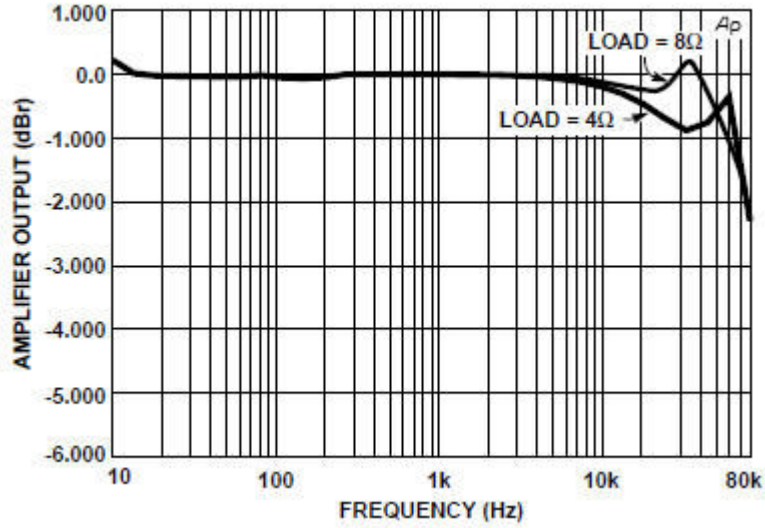
Low voltages	P5
1	+15V
2	GND
3	-15V
4	GND
5	+5V
6	GND

Performance Graphs



THD vs. Freq – 4 ohms , A = 20W , B = 450W

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Freq Response 8 ohms , 4 ohms