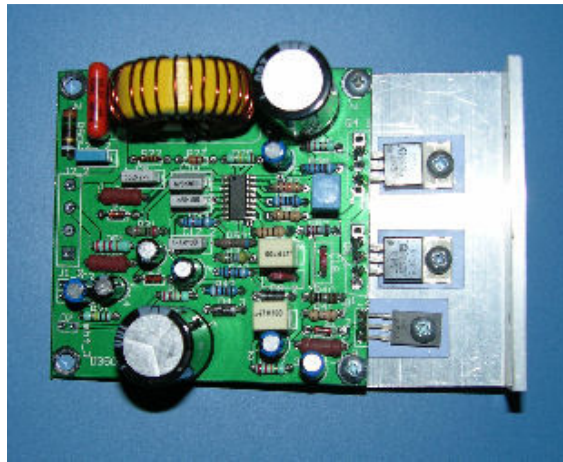


D550A PWM Amplifier



D550A is a Class-D power amplifier and offers a versatile and compact solution for many applications in the audio field. D550A is self-oscillation and typical osc. frequency is 400kHz. D550A is rated at 550W into 4 ohms and has several means of protecting the amplifier and the load, overcurrent protection, soft-start etc. etc.

Amplifier specification	
Rated power 4 ohms	550W
Rated power 8 ohms	300W
Power supply max.	2 x 75V DC
Freq. Range (+0, -1dB)	20 – 23.000 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
Operation	Self oscillating 400kHz typ.
Peak limiter	Yes
Dimensions PCB	70 x 70 x 30mm
Dimensions w bracket	100 x 70 x 30mm

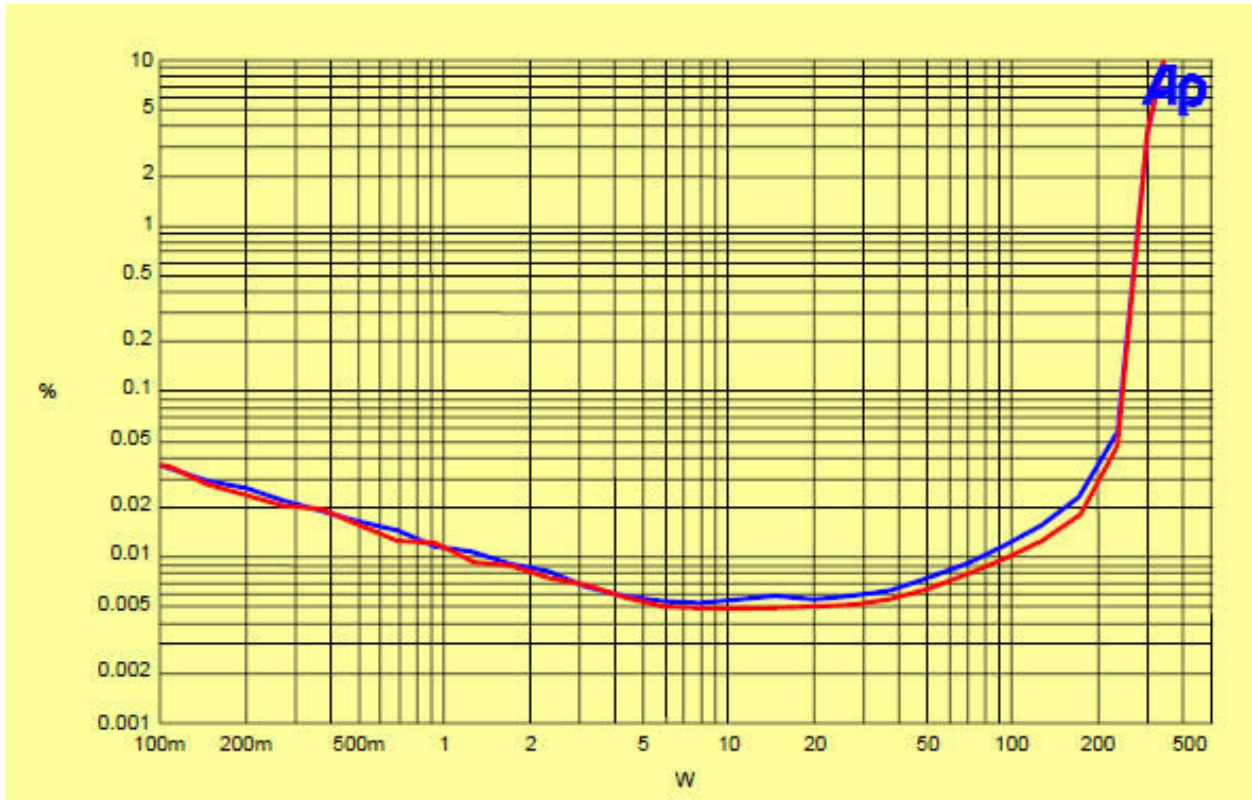
Header specifications.

Power	JP1
4	V+ (+75V DC max)
3	OUTPUT
2	GND
4	V- (-75V DC max)

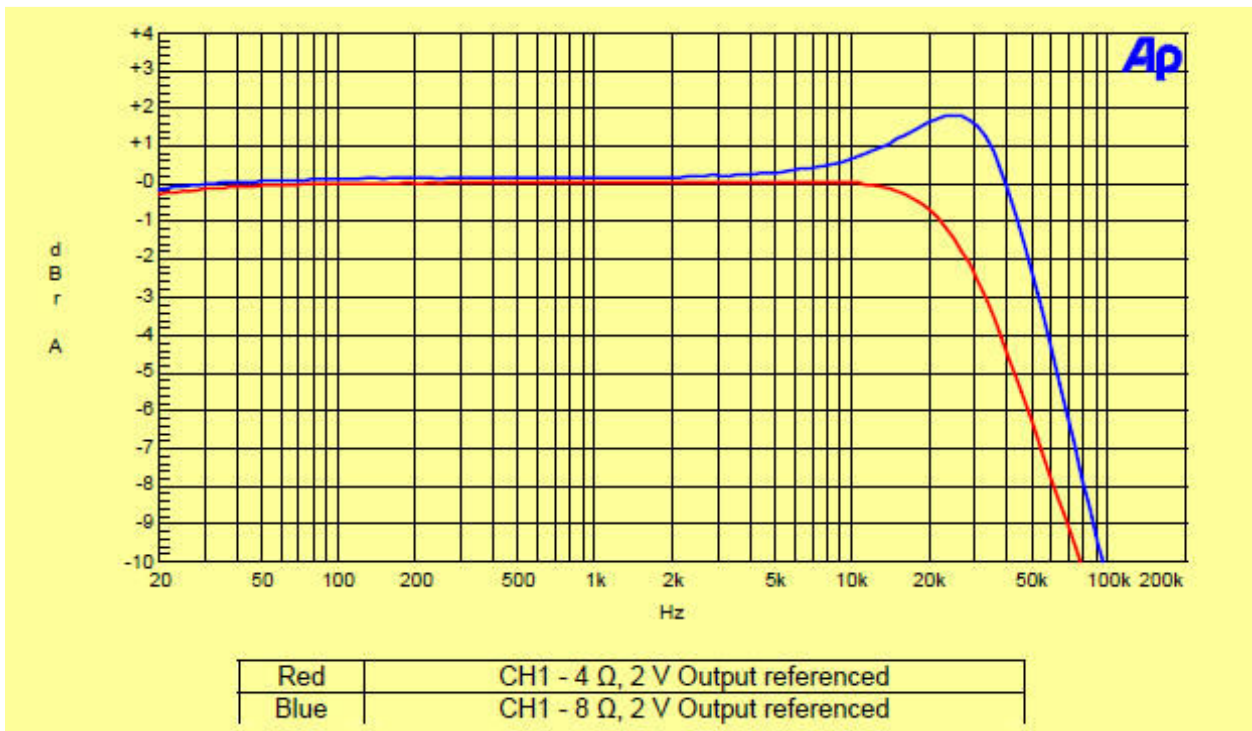
Input	JP2
1	gnd
2	+IN

D550A PWM Amplifier

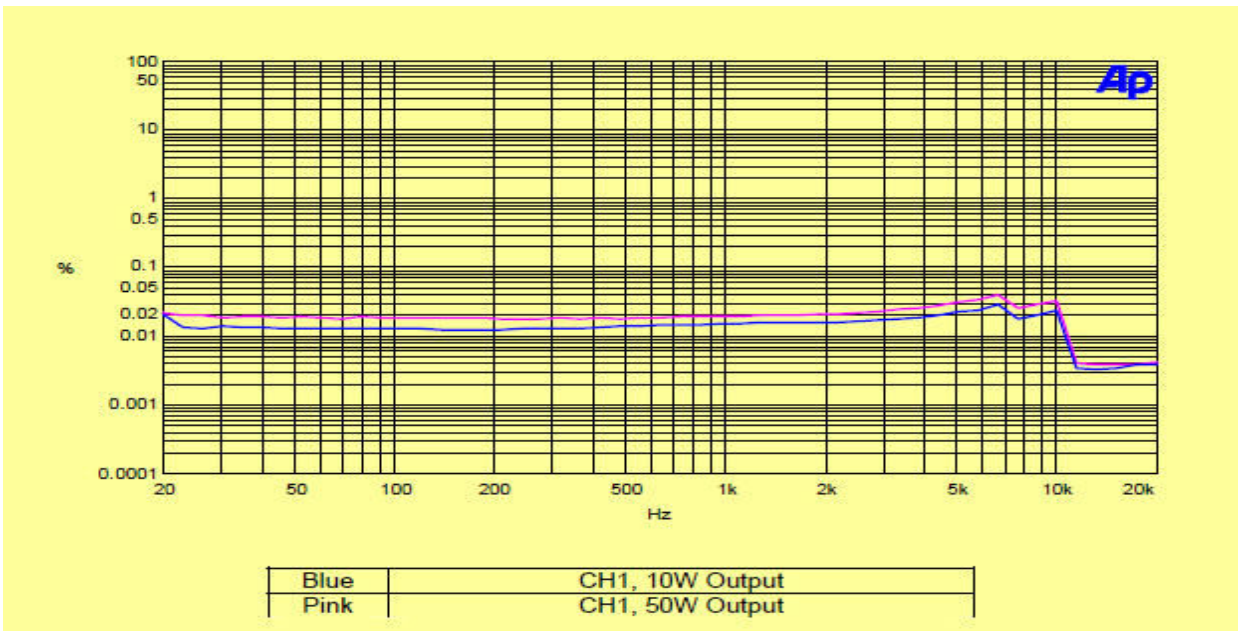
Performance Graphs



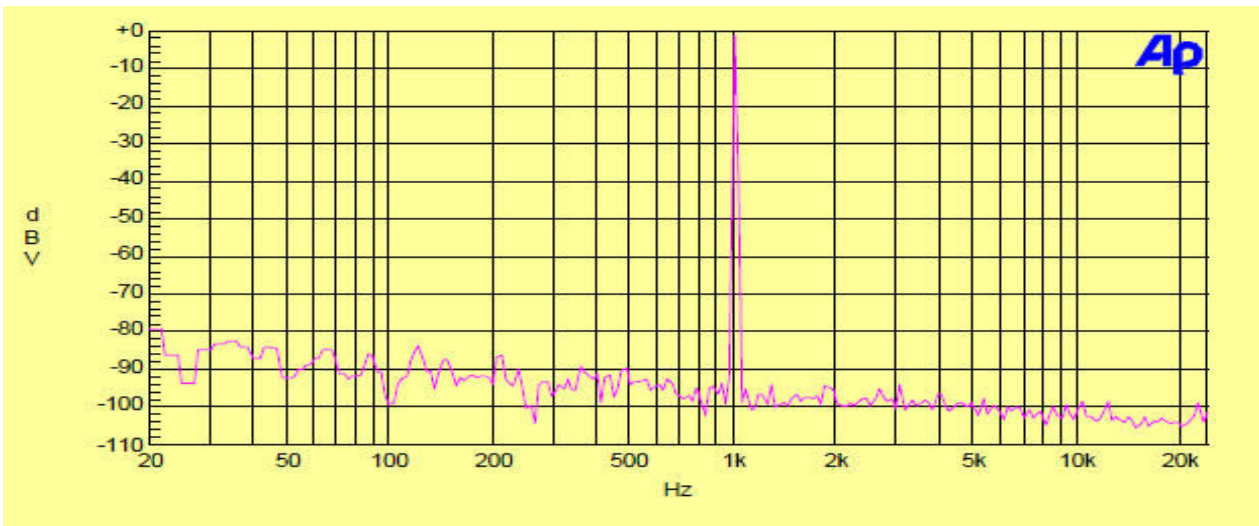
THD vs. Power Output 2x70V DC – 8 ohm load



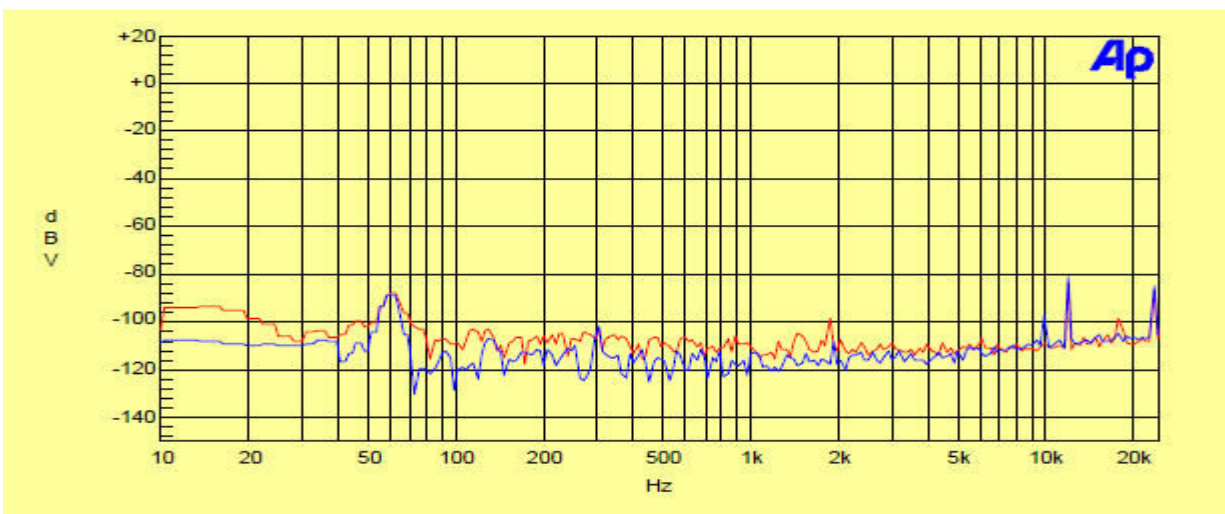
Freq Response 4 ohms / 8 ohms



THD+N vs. Freq 4 ohms



1 KHz - 1V output spectrum



Noise floor