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## Pam8610 2 X 10w Class D Audio Amplifier Board

**description pin assignments - diodes incorporated** - the pam8610 is a 10w (per channel) stereo class-d audio amplifier with dc volume control which offers low thd+n (0.1%), low emi, and good psrr thus high-quality sound reproduction. the 32 steps dc volume control has a +32db to -75db range. the pam8610 runs off of a 7v to 15v supply at much higher efficiency than competitors' ics. **datasheet search site | alldatasheet** - 2.5v bias voltage v2p5 no load 2.5 v internalanalog supply voltage av dd v dd=7v to 15v 5 5.5 v over temperature shutdown ots 150 °c thermal hysteresis oth 40 °c 6 power analog microelectronics inc, 08/2008 rev 1.2 electrical characteristic t =25 v =12v,r =8 (unless otherwise noted) add l °c, Ω pam8610 10wstereoclass ... **eworld - bsfrance resources** - 2.5v bias voltage v2p5 no load 2.5 v internalanalog supply voltage av dd v dd =7v to 15v 5 5.5 v overtemperature shutdown ots 150 °c thermal hysteresis oth 40 °c 6 power analog microelectronics inc , 08/2008 rev 1.2 electrical characteristic t =25 v =12v,r =8 (unless otherwise noted) add l °c , pam8610 10wstereoclass ... **a product line o f diodes incorporated 10w stereo class-d ...** - the pam8610 is available in a 40pin qfn 6mm\*6mm package. features x 10w @ 10%thd/channel output into a 8 load at 13v x low noise: -90db x over 90% efficiency x 32 step dc volume control from -75db to +32db x with shutdown/mute/fade function x over current , thermal and short-circuit protection x low thd+n x low quiescent current **lowpowerstereo series - parts express** - parameter conditions min. typ. max. units powersupply - 10 21 24 vdc idleepower sdfloating - 1.3 2.5 w standbypower sdconnectedtognd - 0.1 0.3 w maximumcurrent 100w@4ohm - 5.29 - a **low power stereo series - parts-express** - efficiency 2 x 25w @6Ω,powered by 16v dc 87 90 93 % minimum load impedance - - 4 - Ω switching frequency no load 300 350 400 khz low power stereo series 2 x 25 watt 6 ohm ... aa-ab32232 2 x 10watt dc10-15v 8Ω pam8610 3"x2" aa-ab32999 2 x 15watt dc10-24v 4Ω pam8615 3"x2" **high-efficiency solutions for consumer and industrial ...** - high-efficiency solutions for consumer and industrial applications diodes diodes/pam highlights issue 1 -feb 2013 ... pam8008 - dc 2 x 3w 2.5 ~ 5.5 8 95 87 pwr limit + anti-sat ... pam8610 - dc 2 x 10w 7 ~ 15 ...

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