

IRAUDAMP18

Overview

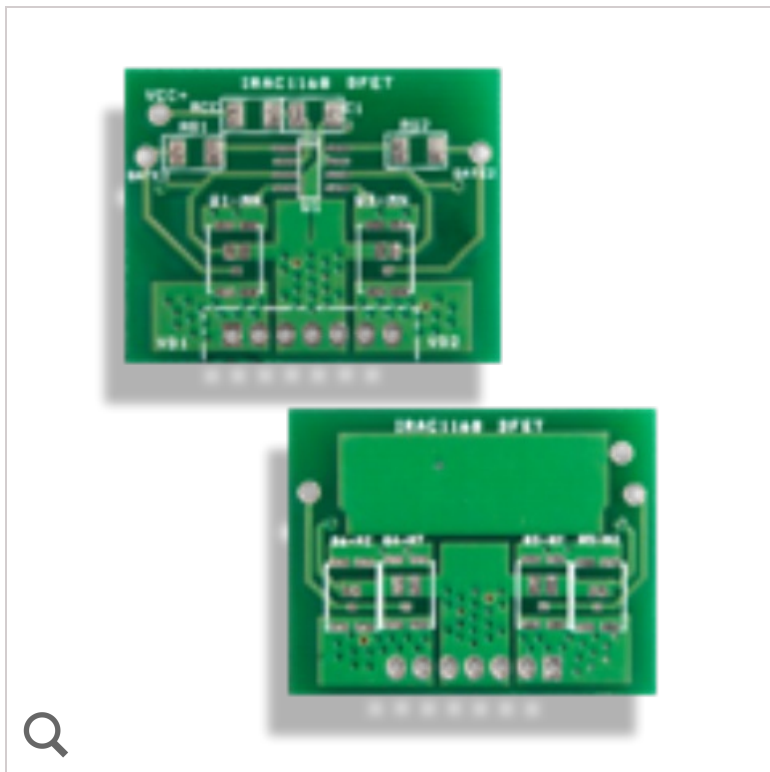
35W / 40hms x 2 Channel Class D Audio Power Amplifier, Using the IR4312

Benefits:

- 35 W x 2 channels, (THD=10%, 1kHz, 4 Ohms)
- 0.018% THD+N distortion @ 3W, 4 Ohms
- Residual noise 180 μ V, IHF-A weighted, AES-17 filter
- 96% Efficiency @ 35W, 4 Ohms, Class-D Stage
- OCP, OVP, UVP and OTP
- Self-oscillating half-bridge topology
- Featuring IR4312 **Pow IAudio**™ integrated Class D IC

Target Applications:

- Class D Audio



Parametrics

Parametrics	IRAUDAMP18
Additional Features	35W / 4Ω x 2 Channels
Applications	Audio
Configuration	IR4312M
Input Type	Single
P _{out} max	35.0 W
Product Description	35 W x 2 channels, (THD=10%, 1kHz, 4 Ohms). 0.018% THD+N distortion @ 3W, 4 Ohms. Residual noise 180 μV, IHF-A weighted, AES-17 filter. 96% Efficiency @ 35W, 4 Ohms, Class-D Stage. OCP, OVP, UVP and OTP. Self-oscillating half-bridge topology. Featuring IR4312 PowlRaudio™ integrated Class D IC.
Product Name	Evaluation Board IRAUDAMP18
Type	Evaluation Board

Order

✓

Sales Product Name	IRAUDAMP18
OPN	IRAUDAMP18
Product Status	active and preferred
Package name	--
Order online	
Completely lead free	no
Halogen free	
RoHS compliant	yes
Packing Size	1
Packing Type	CONTAINER
Moisture Level	
Moisture Packing	NON DRY

Boards

✓

+ Expand all

+ Reference Design



Reference Design - IRAUDAMP18 (/dgd/iraudamp18.pdf?fileId=5546d462533600a40153569a96eb2be9)
> EN (/dgd/iraudamp18.pdf?fileId=5546d462533600a40153569a96eb2be9)
2012-05-15 | pdf | 500 KB

+ PCB Design Data



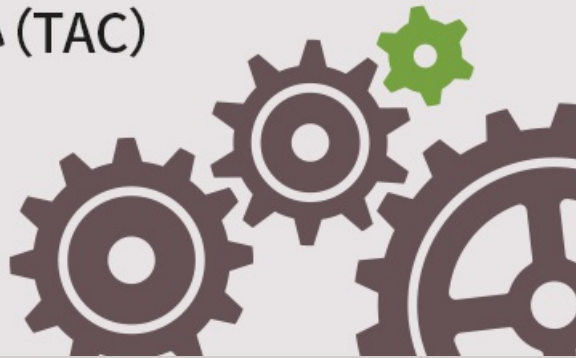
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> EN (/dgd/iraudamp18.zip?fileId=5546d462533600a401535748fbb24012)
2011-07-29 | zip | 61 KB

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