
Subject: Re: TDA7293 parallel design DIY
Posted by [hydrovac](#) on Sat, 30 May 2015 11:13:01 GMT
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Ok, further on the project:

I found an old enclosure which can accommodate the amp board, heat sink, power transformer rectifier and filter capacitors... the trafo is a 32-0-32 250VA... searches seem to suggest this is the absolute upper limit for TDA7293 setup.

The heat sink I have, also cannibalized from a fried receiver is 11" wide, 3.25" tall, and sports 22 fins, each being 2" long. It weighs about 1.5 kg., give or take. Assuming I can get a decent enough thermal contact for each IC, does this heat sink sound like it will have enough mass to support two TDA7293s? (Yeah, I know there's a lot of thermodynamics data that would be needed to get an accurate reading on whether/how well this 'sink will work, but all I can give are raw measurements.)

For the smoothing circuit, I'm using quad 1200uF capacitors (low-ESR caps designed for power-supply filter applications) per board, in addition to the dual 6,800uF caps in the supply rails. Will this be adequate at least initially, or would it be wise to snag a few 10,000uF monsters to add to the power filtration?

That's all I can think of right now... more as I come up with it.

File Attachments

1)	sgl5z1I.jpg	, downloaded	4098	times
2)	xREnlJe.jpg	, downloaded	4078	times
3)	TS5KQmm.jpg	, downloaded	4134	times
4)	znmMpn0.jpg	, downloaded	4112	times
