
Subject: Transistor Replacement
Posted by [jmaroto](#) on Thu, 14 Apr 2011 12:52:37 GMT
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Hi,

My part supplier is short on NTE128, and probably is going to be re-stock in about a month or maybe more.

The guy offer me a C1008Y-338 stating is an equivalent. From the begining I saw that the package was TO-92 against the original TO-39, either way he assured me that it was an equivalent.

I took a couple and headed back home to check the datasheet, there're certain differences but me being a self taught junior electritian can't tell if would be an impact.

Does anybody tried or know if will be ok to use the C1008Y-338, one of my worries is that the heatsink will not have effect on this kind of package.?

Subject: Re: Transistor Replacement
Posted by [stevem](#) on Thu, 14 Apr 2011 15:40:07 GMT
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With out looking their spec sheet I can not say if they will work,or work good enough!
If they are not rated for atleast 4 watts and have the same DC curnnet gain factors, then I would stay away from using them.

Even if they are good wattage wise a gain factor difference will unbalance the two drive signals to the TO3 output transistors and make for lower power output and early nasty sounding distortion.

I see where Mouser electronics has 200 of the NTE128s in stock so why not get them from them?

Subject: Re: Transistor Replacement
Posted by [chicagobill](#) on Thu, 14 Apr 2011 16:21:18 GMT
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What part are you trying to replace? If you look up the data sheet on the C1008Y-338, what are it's ratings? Will those ratings work in the circuit that you are trying to use it in?

As long as the replacement meets or exceeds the ratings that the circuit requires, you can probably use it. There are press-on heatsinks made for TO-92 cases.

Subject: Re: Transistor Replacement

Posted by [steven](#) on Sat, 16 Apr 2011 14:22:50 GMT

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I know that the TO-39 are rated for 5 watts and I know that they are not being pushed to that in the Kustom circuit, but I do not know that a TO-92 type even with a heat sink will even do 3 watts.
