Subject: Diodes
Posted by DocWaxham on Thu, 28 Oct 2021 19:43:20 GMT
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Can you use a 1n5822 in place of 1n5801? Thanks

Subject: Re: Diodes
Posted by stevem on Thu, 28 Oct 2021 21:16:41 GMT
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What Kustom amp uses a 1n5801?

In general, yes you can replace a lower number diode with a higher number one.

Subject: Re: Diodes
Posted by DocWaxham on Thu, 28 Oct 2021 22:32:27 GMT
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K200 correct number is nte5801.

Subject: Re: Diodes
Posted by stevem on Fri, 29 Oct 2021 01:02:45 GMT
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Where is this used in the amp, in the bias circuit of the output

Subject: Re: Diodes
Posted by DocWaxham on Fri, 29 Oct 2021 14:15:48 GMT
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Yes it is. It is the one that has a heat sink with the output transistors. This is K200 amp also.

Subject: Re: Diodes
Posted by chicagobill on Fri, 29 Oct 2021 17:19:04 GMT
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Almost any silicon diode can be used to replace the 1N3754 bias diode in there, but getting it to sense the heating of the output transistors is the real problem.

The diode is mounted to the heatsink so that when the output transistors get hot it will lower the

bias current to the transistors. I've tried epoxying a small signal diode into a piece of 1/4" aluminum tubing as a replacement. I've also mounted a small two lug terminal strip to the heatsink and mounted a glass bodied diode so that it sat on the flat surface of the heatsink.

Anything that you can think of will probably work as long as you watch the polarity.

Subject: Re: Diodes
Posted by stevem on Fri, 29 Oct 2021 23:16:20 GMT
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Electronic parts outlet has the original 1n3754 for e7.50 .
Not bad for NOS from across the pond!

Subject: Re: Diodes
Posted by DocWaxham on Sat, 30 Oct 2021 15:34:03 GMT
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I actually found some at American Microsemiconductor. Thanks to all.
