
Subject: Power FETs

Posted by [gofar99](#) on Sat, 26 Oct 2024 19:58:30 GMT

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Hi, has anyone used N channel enhancement MOSFETS as a CCS?

Subject: Re: Power FETs

Posted by [Wayne Parham](#) on Sun, 27 Oct 2024 14:28:02 GMT

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I haven't, but that does sound like a good idea. Seems like I remember seeing some schematics for just such a thing. Please do report back what you find if you experiment with that.

I've only designed with traditional power transistors, for high-current outputs, high-voltage outputs or a combination of the two. Those applications are kind of simple. I drive an automobile spark plug coil with a PNP power transistor, for example. That's basically the same approach as using one for a flyback transformer.

Subject: Re: Power FETs

Posted by [gofar99](#) on Mon, 28 Oct 2024 01:24:07 GMT

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HI I have seen plenty using depletion MOSFETs, but none with enhancement ones. I have lots of the the enhancement ones and the others are still a few \$\$ to buy. Another thing I noticed was that the depletion ones have relatively high R_{ds} s compared to the enhancement ones roughly a 10 to 1 ratio. It would seem to make the enhancement ones better as a CCS.
