

MOSFET B+ Reducer

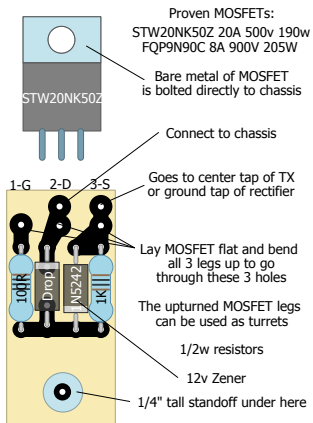
A collaborative effort by: RG Keen, Xtian, dorrisant & others at TAG

ampgarage.com/forum/viewtopic.php?p=332301&sid=289c5f0644779e4521ad4a42096a760d

Dropping Diodes

1W Minimum Suggested

1N4070	10V 1W	1N5347	10V 5W
1N4747	20V 1W	1N5357	20V 5W
1N4751	30V 1W	1N5363	30V 5W
1N4754	39V 1W	1N5366	39V 5W
1N4757	51V 1W	1N5369	51V 5W
1N4759	62V 1W	1N5371	60V 5W
1N4760	68V 1W	1N5373	68V 5W
1N4762	82V 1W	1N5375	82V 5W
1N4763	91V 1W	1N5377	91V 5W
1N4764	100V 1W	1N5378	100V 5W



Reduce the B+ of a power transformer by inserting this device between the center tap (CT) of the PT secondary and ground. If the PT has no center tap, then ground the rectifier through the device. Choose the Dropping Diode value that works for your situation. Using sockets for the Dropper is suggested, you can always solder it in when you are sure of proper function. Bolt MOSFET directly to chassis (no insulator) for general heat sinking. A proper heat sink may be needed with larger voltage drops. Consult the datasheet for your particular MOSFET. Print at 100%.

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