

Splitting a floating PSU

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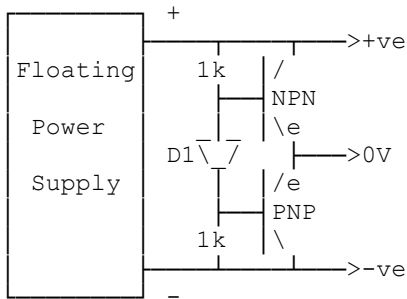
To : TECH@WW

By G8MNY

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(8 Bit ASCII Graphics use code page 437 or 850)

Here is a simple way to split a single floating power supply into +/- rails. It can be for any voltage 6V-100V to give ±3V to ±50V.



The asymmetrical currents & voltages will affect the components needed (e.g. transistors have to handle peak offset current & heat), in some applications, e.g. value of 1K R may be 39K on 100V. Higher currents may need darlings or P & N ch MOSFETs.

The above circuit should provide adequate balance for testing most things that need a balanced supply.

D1 provides some cross over bias keeping the transistors in class B, 2 diodes in series may do better but easy to get into class AB/A & get hot when this is not needed!

Y Don't U send an interesting bul?

73 de John G8MNY @ GB7CIP

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