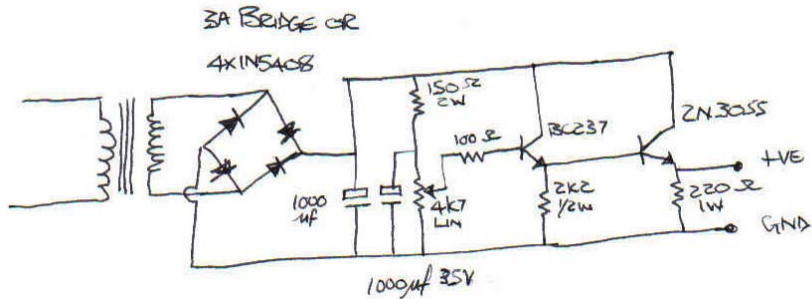


0 – 30V 3A Variable Power Supply – ZR6KMD



Components

Resistors

100 Ω ¼Watt
 150 Ω 2Watt
 2.2K Ω ½Watt
 220 Ω 1Watt
 4.7K Ω Lin Potentiometer

Diodes

4 X 1N5408
 or
 3Amp Bridge

Capacitors

2 X 1000µF

Transistors

BC307
 2N3055

Transformer

16Volt 3Amp

This PSU is a useful bench tool with excellent ripple rejection. A voltmeter can be connected across the output connection to monitor the output voltage. The power transistor (2N3055) needs to be mounted on a heat sink. Care must be taken with this as the collector of the transistor is the casing and it needs to be isolated from the rest of the heat sink with a mica washer if a metal enclosure is used. The size of the heat sink is not critical.

