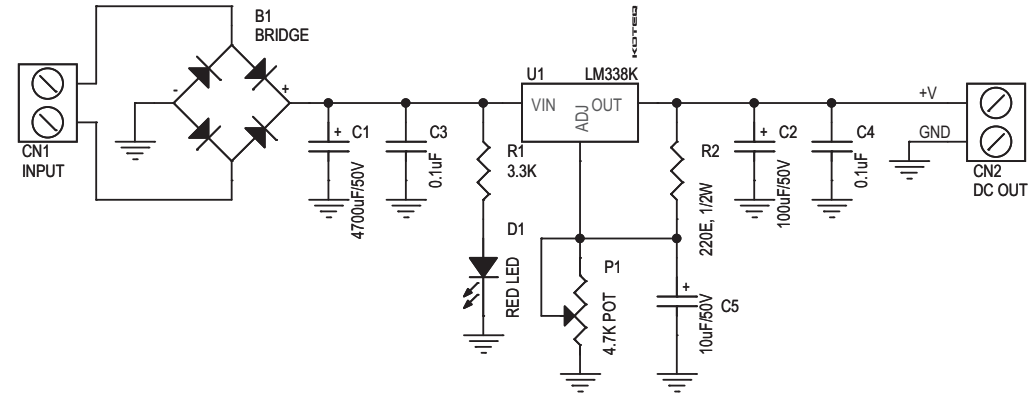


5A ADJUSTABLE REGULATED POWER SUPPLY

This project provides a variable output voltage ranging from 1.2 to 32 V @ 5 A. Project based on LM338K IC, LM338K is adjustable 3 terminal positive voltage regulator capable of supply in excess of 5A over a 1.2V to 32V output range, simple circuit consist few components.

- Input Supply : 24 VAC or 30 VDC, 5 Amp
- Output : variable output from 1.2 to 32 V @ 5 A regulated low ripple DC voltage
- Heatsink for regulator IC
- Onboard bridge rectifier to convert AC to DC
- LED indication at input of IC
- Thermal overload/short circuit protection (provided by IC feature)
- Screw terminal connector for easy input and output connection
- Berg connector for connecting potentiometer (POT) to the PCB
- Filter capacitors for low ripple DC output
- Four mounting holes of 3.2 mm each
- PCB dimensions 91 mm x 66 mm



SR.	QTY.	REF.	DESCRIPTION
1	1	B1	BR1010 BRIDGE RECTIFIER
2	1	CN1	2 PIN SCREW TERMINAL CONNECTOR
3	1	CN2	2 PIN SCREW TERMINAL CONNECTOR
4	1	C1	4700µF/50V
5	1	C2	100µF/50V OR 63V
6	2	C3,C4	0.1µF
7	1	C5	10µF/50V OR 63V
8	1	D1	RED LED
9	1	P1	3 PIN BERG CONNECTOR
10	1	R1	3.3K
11	1	R2	220E, 1/2W
12	1	U1	LM338K
13	1	HEATSINK	HS07051
14	2	SCREW	SCB2907
15	2	SCREW	SC02909
16	4	NUT	NT02900
17	1	POT	4.7K POTENTIOMETER

