

CEM 1027-1 LM317 VARIABLE DC VOLTAGE REGULATOR PCB KIT

This regulator can have an output from 1.2v to about 30V DC (TYPICALLY) with the correct raw dc supply. R1 Sets the output voltage. TYPICALLY a transformer of about 12V AC at about 3 AMPS will have an output of about 18V DC at max of 1.5 AMPS

Google LM317T applications for more information.

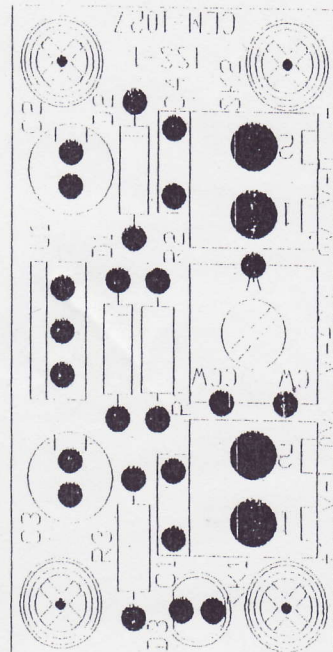
- FEATURES (MANUF SPEC)
- OUTPUT VOLTAGE RANGE: 1.2 TO 37V
- OUTPUT CURRENT IN EXCESS OF 1.5A
- 0.1% LINE AND LOAD REGULATION
- COMPLETE SERIES OF PROTECTIONS:
- CURRENT LIMITING, THERMAL
- SHUTDOWN AND SOA CONTROL

(DEPENDING ON INPUT VOLTAGE)
(AND CURRENT REQUIRED)

ASSEMBLE RESISTORS, D1 AND D2 FIRST, THEN THE RED LED, CAPS, AND THEN THE CONNECTORS, AND PLEASE NOTE: REGULATOR ORIENTATION ON THE PCB.

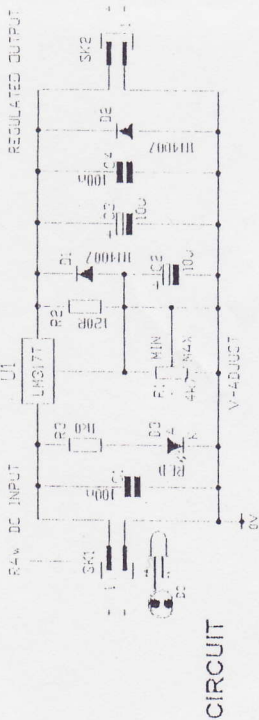
- R1= 4K7 TRIMPOT
- R2= 120R 1/4W
- R3= 1K0 1/4W
- U1= LM317T REGULATOR
- D1= 1N4007
- D2= 1N4007
- D3= RED 3mm LED

- R2 = RED YELLOW BROWN GOLD
- R3 = GREEN BLUE RED GOLD



V-IN V-OUT

Mounting holes 80 x 36mm hole centers.



CIRCUIT

A RAW DC SUPPLY IS REQUIRED. NO HEATSINK IS SUPPLIED BUT IS NEEDED. NO OTHER HARDWARE IS SUPPLIED. METAL ENCLOSURES AND HEATSINKS ARE ALSO AVAILABLE, PLEASE ASK AT THE COUNTER.

RECOMMENDED HEAT SINKS ARE AVAILABLE SK64, SK65, SK18

DC PSU ALSO AVAILABLE PSU-SWIMDT-UNIV 70W 12-24V

PLEASE NOTE THIS REGULATOR MUST BE MOUNTED ON A HEATSINK WHEN IN USE.

IT MUST ALSO BE ISOLATED FROM THE HEATSINK SEE DRAWING OPTIONS

If led D3 does not light, unsolder LED rotate and re-solder

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Pcb SIZE is 96 x 52mm

