

G822 -6V Regulator

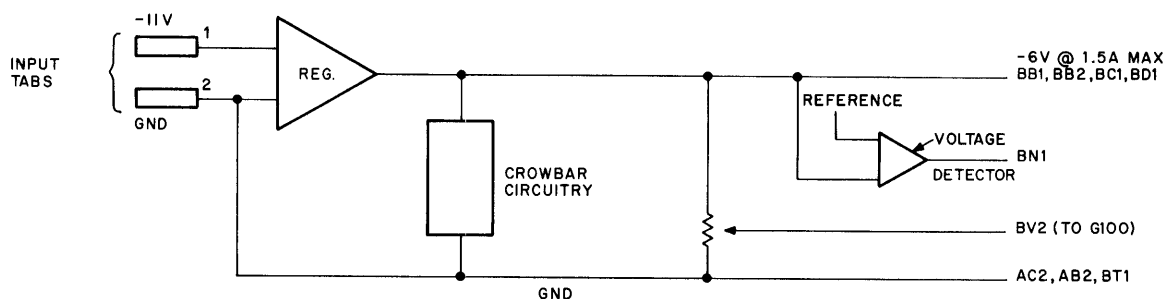
The G822 module contains a voltage regulator with an over-voltage protection circuit. This module supplies the regulated -6V in the memory of the PDP-15. A sensing circuit is also included on the module to provide a memory power OK signal when the output is more negative than -6.5V.

The following are the input and output characteristics of the G822 module.

INPUTS: The G822 module operates on 11V input power from the 715 power supply.

OUTPUTS: The outputs of the G822 module are:

- a. variable -5.0 to -7.0V at 1.5A. (When set at -6V, regulation is $\pm 2\%$ with a ripple voltage of 50 mV peak-to-peak. The potentiometer must be rotated clockwise to obtain a more negative voltage setting);
- b. variable 0 to -6.0V used as the threshold voltage for the G100 module. (This voltage is nominally set at -3.8V. The potentiometer must be turned clockwise to obtain a more negative voltage setting);
- c. BN1, which is a TTL output that drops to ground when the -6V output voltage is more negative than -6.5V.



15-0130

G822 Simplified Diagram