

LINGUA STRANIERA INGLESE - PROVA D'ESAME

PROVA B

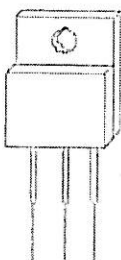
Il candidato traduca in Italiano il seguente testo di carattere tecnico avvalendosi del dizionario.

DESCRIPTION OF THE VOLTAGE REGULATOR SERIES

- **Output Current : up to 1.5 A**
- **Internal Thermal-Overload Protection**
- **High Power-Dissipation Capability**
- **Internal Short-Circuit Current Limiting**
- **Output Transistor Safe-Area Compensation**
- **Direct Replacements for "Fairchild mA7800"**
- **3-Terminal Regulators**
- **Operating Temperature range: 0°-125° C.**

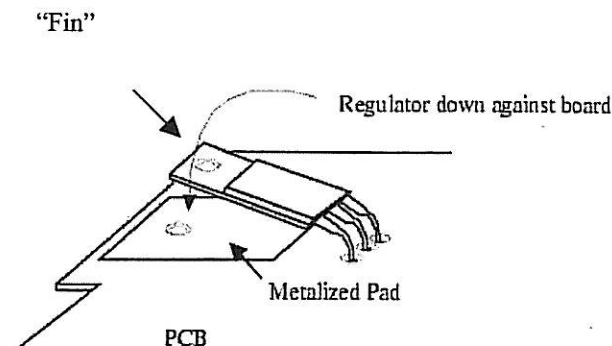
This series of fixed-voltage monolithic integrated-circuit voltage regulators is designed for a wide range of applications. Each of these regulators can supply up to 1.5 A of output current. The internal current-limiting and thermal-shutdown features of these regulators protect them from overload. These devices can be used with external components to obtain adjustable output voltages and currents.

Excess input voltage is converted to heat and dissipated through the body of the regulator. If a DC supply above 12V is used, the board is damaged because of excessive heat. If a DC supply of less than 5V is used, insufficient voltage is present at the output of the regulator.



The 7805 +5VDC voltage regulator produces a 5VDC output as long as 6VDC to 12VDC is input.

If a power supply provides a voltage above 7 or 8 volts, the regulator must dissipate much heat. The "fin" on the regulator body helps to dissipate excess heat more efficiently. If the board requires higher currents, then the regulator must dissipate more heat. In this case, the regulator can be fixed to the circuit board by means of a screw and nut.



per MLPS
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