

## Positive voltage regulator ICs



TO-220



TO-220FP



DPAK

D<sup>2</sup>PAK

### Features

- Output current up to 1.5 A
- Output voltages of 5; 6; 8; 8.5; 9; 12; 15; 18; 24 V
- Thermal overload protection
- Short circuit protection
- Output transition SOA protection
- 2 % output voltage tolerance (A version)
- Guaranteed in extended temperature range (A version)

### Description

The L78 series of three-terminal positive regulators is available in TO-220, TO-220FP, D<sup>2</sup>PAK and DPAK packages and several fixed output voltages, making it useful in a wide range of applications.

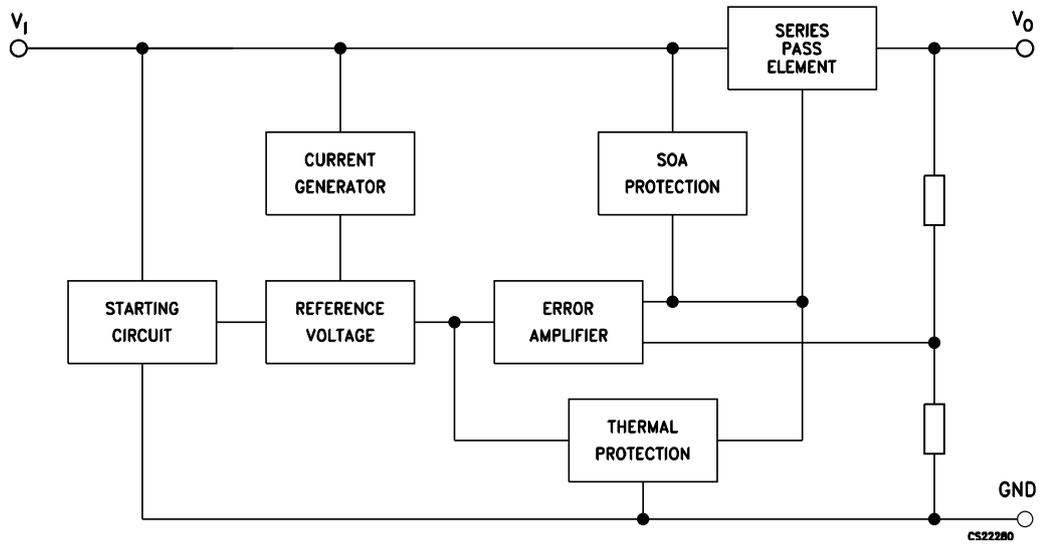
These regulators can provide local on-card regulation, eliminating the distribution problems associated with single point regulation. Each type embeds internal current limiting, thermal shut-down and safe area protection, making it essentially indestructible. If adequate heat sinking is provided, they can deliver over 1 A output current. Although designed primarily as fixed voltage regulators, these devices can be used with external components to obtain adjustable voltage and currents.

Maturity status link

L78

1 Diagram

Figure 2. Block diagram



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## 2 Pin configuration

Figure 3. Pin connections (top view)

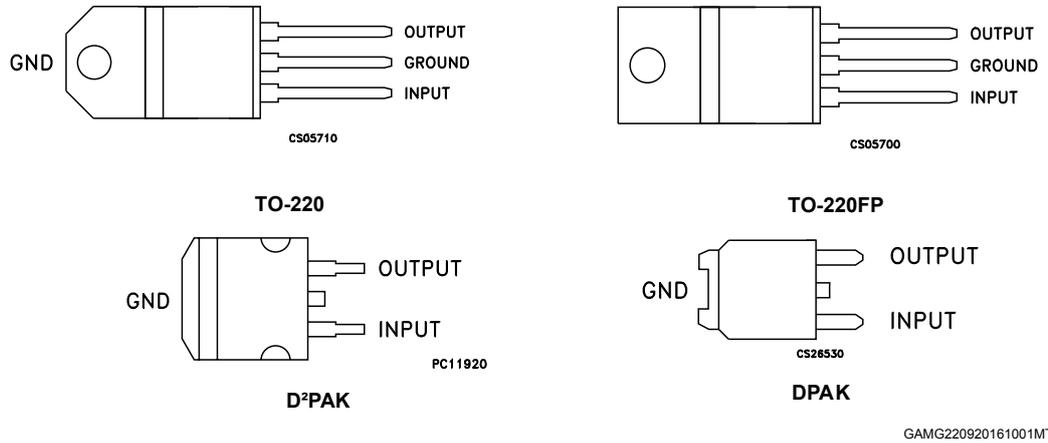
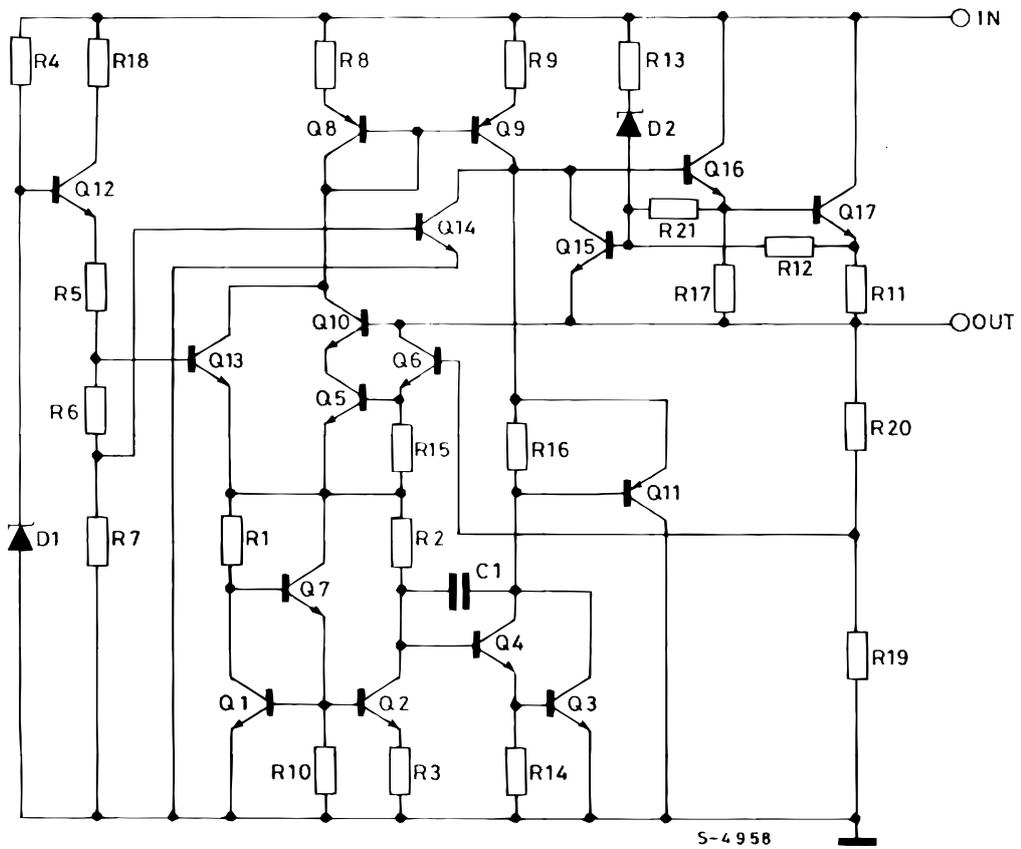


Figure 4. Schematic diagram



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