



LM117 LM217, LM317

1.2 V to 37 V adjustable voltage regulators

Features

- Output voltage range: 1.2 to 37 V
- Output current in excess of 1.5 A
- 0.1 % line and load regulation
- Floating operation for high voltages
- Complete series of protections: current limiting, thermal shutdown and SOA control

Description

The LM117, LM217, LM317 are monolithic integrated circuits in TO-220, TO-220FP, TO-3 and D²PAK packages intended for use as positive adjustable voltage regulators. They are designed to supply more than 1.5 A of load current with an output voltage adjustable over a 1.2 to 37 V range. The nominal output voltage is selected by means of only a resistive divider, making the device exceptionally easy to use and eliminating the stocking of many fixed regulators.

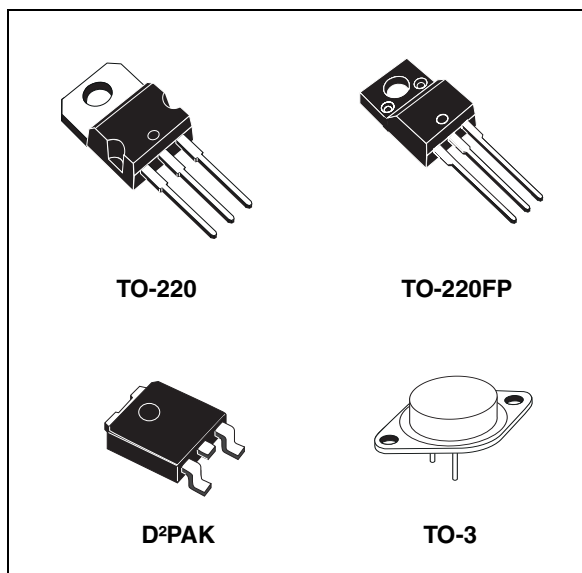


Table 1. Device summary

| Order codes | | | | |
|-------------|--------------------------|------------------------------------|----------|--------|
| TO-220 | | D ² PAK (tape and reel) | TO-220FP | TO-3 |
| | | | | LM117K |
| LM217T | LM217T-DG ⁽¹⁾ | LM217D2T-TR | | LM217K |
| LM317T | LM317T-DG ⁽¹⁾ | LM317D2T-TR | LM317P | LM317K |

1. TO-220 Dual Gauge frame.