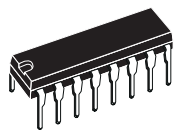


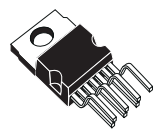


## 1.5A POWER SWITCHING REGULATOR

- 1.5A OUTPUT CURRENT
- 5.1V TO 40V OUTPUT VOLTAGE RANGE
- PRECISE ( $\pm 2\%$ ) ON-CHIP REFERENCE
- HIGH SWITCHING FREQUENCY
- VERY HIGH EFFICIENCY (UP TO 90%)
- VERY FEW EXTERNAL COMPONENTS
- SOFT START
- INTERNAL LIMITING CURRENT
- THERMAL SHUTDOWN



**POWERDIP**  
(12 + 2 + 2)



**HEPTAWATT**

**ORDERING NUMBERS :** L4962/A (12 + 2 + 2 Powerdip)  
L4962E/A (Heptawatt Vertical)  
L4962EH/A (Horizontal Heptawatt)

### DESCRIPTION

The L4962 is a monolithic power switching regulator delivering 1.5A at a voltage variable from 5V to 40V in step down configuration.

Features of the device include current limiting, soft start, thermal protection and 0 to 100% duty cycle for continuous operating mode.

The L4962 is mounted in a 16-lead Powerdip plastic package and Heptawatt package and requires very few external components.

Efficient operation at switching frequencies up to 150KHz allows a reduction in the size and cost of external filter components.

### BLOCK DIAGRAM

