

6V, 300mA, Low Quiescent Current Linear Regulator

1. General Description

The FA2252 is a linear regulator that designed for supplying power to systems. It includes 1.8V to 6V input range, low dropout voltage and low quiescent supply current. The low quiescent current and low dropout voltage allows operations at extremely low power levels. Therefore, the FA2252 is an ideal for the low power microcontrollers and the battery-powered equipment.

The FA2252 also includes thermal shutdown and current limiting fault protection. The regulator output current is internally limited to protect against over-load and over-temperature conditions.

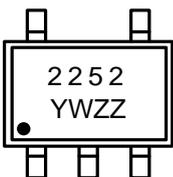
Features

- 1.8V to 6V Input Range
- 3 μ A Quiescent Current
- 1 μ A Shutdown Current
- Support 300mA Specified Current
- Output \pm 2% Accuracy
- Over-Current and Thermal Shutdown Protection
- Halogen Free and Green Devices (RoHS Compliant)

Ordering Information

| P/N | Package | VOUT | Topside Marking |
|-------------|----------|------|-----------------|
| FA2252A5R | SOT23-5L | Adj. | 2252 YWZZ |
| FA225210A5R | SOT23-5L | 1.0V | 5210 YWZZ |

Marking Information



2252: Product code
 Y: 2023→J、2024→K、2025→L
 W: Week 01~26→A~Z、27~52→a~z、53→0
 ZZ: Series Code