

26V, 150mA, Low Quiescent Current Linear Regulator

1. General Description

The FA2250 is a linear regulator that designed for supplying power to systems with high voltage batteries. It includes a wide 2.5V to 24V input range, low dropout voltage and low quiescent supply current. The low quiescent current and low dropout voltage allow operations at extremely low power levels. Therefore, the FA2250 is an ideal for the low power microcontrollers and the battery-powered equipment.

The FA2250 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

- 2.5V to 24V Input Range
- 1.2V to 15V Adjustable Output Range
- 5 μ A Quiescent Current
- Support 150mA Specified Current
- 700mV Dropout Voltage at 150mA Load Current
- Output \pm 2% Accuracy
- Over-Current and Thermal Shutdown Protection

Ordering Information

P/N	Package	VOUT	Topside Marking
FA2250OTR	DFN2X2-6L	Adj.	2250 YWZZ
FA225033OTR	DFN2X2-6L	3.3V	2533 YWZZ
FA2250A5R	SOT23-5L	Adj.	2250 YWZZ
FA225033A5R	SOT23-5L	3.3V	2533 YWZZ

※Topside Marking Rule:

Y : Year 2018→E、2019→F ◦

W : Week 01~26→A~Z、27~52→a~z、53→0 ◦

ZZ : Series Code ◦