

## 1.5A Low Dropout Regulator

### Features

- Fixed output voltage
- Output current up to 1.5A
- Over current and over temperature protection
- Low dropout voltage 500mV@1.5A
- Low ground current
- SOT-223 package

### Applications

- Battery powered systems
- Motherboards
- Peripheral cards
- Network cards
- Set Top Boxes
- Notebook Computers

### General Description

The G953 is a high performance positive voltage regulator designed for use in applications requiring very low dropout voltage at up to 1.5 Amps. G953 features 500mV dropout voltages and very low ground current. Although designed for high current loads, these devices are also useful in lower current, extremely low dropout-critical systems, where their minimal dropout voltage and ground current values are important characteristics.

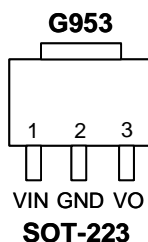
The G953 provides excellent regulation over variations in line, load and temperature.

### Ordering Information

ORDER NUMBER	ORDER NUMBER (Pb free)	MARKING	TEMP. RANGE	PACKAGE
G953-12T6U	G953-12T6Uf	953-12	-40°C ~ +85°C	SOT-223
G953-15T6U	G953-15T6Uf	G953	-40°C ~ +85°C	SOT-223
G953-18T6U	G953-18T6Uf	953-18	-40°C ~ +85°C	SOT-223
G953-25T6U	G953-25T6Uf	953-25	-40°C ~ +85°C	SOT-223
G953-33T6U	G953-33T6Uf	953-33	-40°C ~ +85°C	SOT-223

Note: T6 : SOT-223  
U : Tape & Reel

### Pin Configuration



### Typical Application Circuit

