

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
- MLCC Capacitance Stable
- 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. G953 is stable with 10 μ F MLCC (X5R) output capacitor.

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

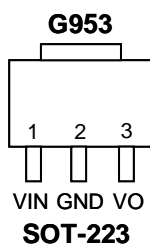
Ordering Information

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

Note: T6 : SOT-223

U : Tape & Reel

Pin Configuration



Typical Application Circuit

