



300mA Low-Noise LDO Regulators

Features

- Low, 90 μ A No-Load Supply Current
- Guaranteed 300mA Output Current
- Dropout Voltage is 200mV @ 150mA Load
- PSRR=53dB @ 1kHz
- Over-Temperature Protection and Short-Circuit Protection
- Max. Supply Current in Shutdown Mode < 1 μ A
- Low Output Noise at 28 μ V_{RMS}
- Stable with low cost ceramic capacitors
- Output voltage: 4.75V

Applications

- Notebook Computers
- Cellular Phones
- PDAs
- Digital still Camera and Video Recorders
- Hand-Held Devices
- Audio Codec

General Description

The G982 is a low supply current, low dropout linear regulator that comes in a space saving MSOP8 package. The supply current at no-load is 90 μ A. In the shutdown mode, the maximum supply current is less than 1 μ A. Operating voltage range of the G982 is from 5V to 5.5V. The over-current protection limit is set at 550mA typical and 400mA minimum. An over-temperature protection circuit is built-in in the G982 to prevent thermal overload. These power saving features make the G982 ideal for use in the battery-powered applications such as notebook computers, cellular phones, and PDA's.

Ordering Information

ORDER NUMBER	MARKING	VOLTAGE	TEMP. RANGE	PACKAGE (Green)
G982-475P81U	982-475	4.75V	-40°C~ +85°C	MSOP-8

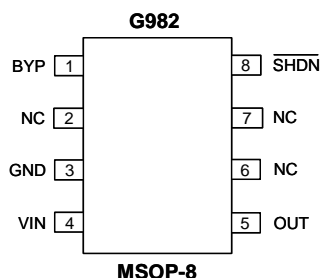
For other output voltage, please contact us at sales@gmt.com.tw

Note: P8: MSOP- 8

1: Bonding Code

U: Tape & Reel

Pin Configuration



Typical Application Circuit

