

Low-Dropout, 600mA Linear Regulator

Features

- 600mA Output Current, with Foldback Current Limiting
- High Ripple Rejection
- $\pm 2\%$ Output Accuracy
- 300 μ A quiescent Current
- Thermal Overload Protection
- SOT-89, SOT-89-5 and SOP-8 Package
- MLCC Stabled

General Description

The G983 are low-dropout, linear regulator. It is available in SOT-89, SOT-89-5 and SOP8 packages. The MLCC capacitor can be used for output capacitor. The G983 turns off linear regulator function when EN pin is low. Familiar regulator features such as over temperature and over current protection circuits are provided to prevent it from being damaged by abnormal operating conditions.

Applications

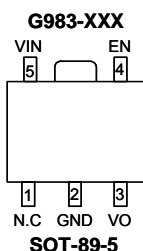
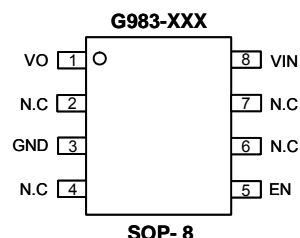
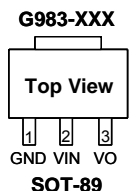
- CD ROM or DVD ROM
- Slim-Type CD/DVD
- DVD Player
- Portable Equipment, etc
- Cordless Telephone

Ordering Information

ORDER NUMBER	MARKING	REGULATOR OUTPUT VOLTAGE	TEMP. RANGE	PACKAGE (Green)
G983-170T24U	983H	1.7	-40°C to +85°C	SOT-89
G983-180T24U	983I	1.8	-40°C to +85°C	SOT-89
G983-330T24U	983W	3.3	-40°C to +85°C	SOT-89
G983-170TE1U	983-170	1.7	-40°C to +85°C	SOT-89-5
G983-180TE1U	983-180	1.8	-40°C to +85°C	SOT-89-5
G983-330TE1U	983-330	3.3	-40°C to +85°C	SOT-89-5
G983-170P11U	983-170	1.7	-40°C to +85°C	SOP-8
G983-180P11U	983-180	1.8	-40°C to +85°C	SOP-8
G983-250P11U	983-250	2.5	-40°C to +85°C	SOP-8
G983-330P11U	983-330	3.3	-40°C to +85°C	SOP-8

Note: T2: SOT-89 TE: SOT-89-5 P1: SOP-8
 1 or 4: Bonding Code
 U: Tape & Reel

Pin Configuration



Typical Operation Circuit

