

## 1.8V 1A Regulator

### Features

- Output current in excess of 1A
- Output voltage accuracy +2.5%/-2%
- Quiescent current, typically 480 $\mu$ A
- Internal short circuit current limit
- Internal over temperature protection

### Applications

- PC motherboard
- ADSL/Cable Modem
- Set-Top-Box
- LAN switch/Hub
- Broad band access

### General Description

The G952 positive 1.8V voltage regulator features the ability to source 1A of output current. The typical quiescent current is 0.48mA.

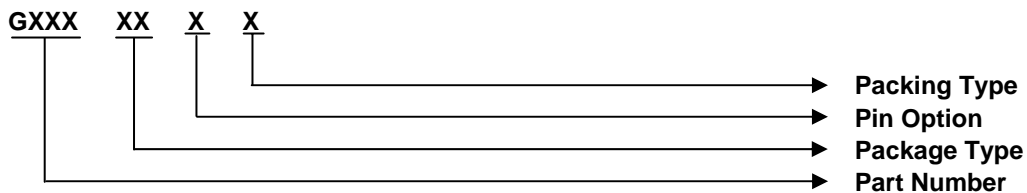
Familiar regulator features such as over temperature and over current protection circuits are provided to prevent it from being damaged by abnormal operating conditions.

### Ordering Information

ORDER NUMBER (Pb free/Green)	TEMP. RANGE	PACKAGE	PIN OPTION		
			1	2	3
G952T21U	-40°C~85°C	SOT-89	V <sub>OUT</sub>	GND	V <sub>IN</sub>
G952T23Uf	-40°C~85°C	SOT-89	GND	V <sub>OUT</sub>	V <sub>IN</sub>
G952T24Uf	-40°C~85°C	SOT-89	GND	V <sub>IN</sub>	V <sub>OUT</sub>
G952T25Uf	-40°C~85°C	SOT-89	V <sub>IN</sub>	GND	V <sub>OUT</sub>
G952T43Uf	-40°C~85°C	TO-252	GND	V <sub>OUT</sub>	V <sub>IN</sub>
G952T43D	-40°C~85°C	TO-252	GND	V <sub>OUT</sub>	V <sub>IN</sub>
G952T63Uf	-40°C~85°C	SOT-223	GND	V <sub>OUT</sub>	V <sub>IN</sub>
G952T65Uf	-40°C~85°C	SOT-223	V <sub>IN</sub>	GND	V <sub>OUT</sub>

\* For other package types and pin options, please contact us at sales@gmt.com.tw

### Order Number Identification



#### PACKAGE TYPE

T2: SOT-89  
T4: TO-252  
T6: SOT-223

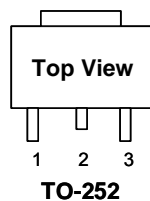
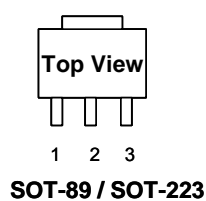
#### PIN OPTION

1	2	3
1: V <sub>OUT</sub>	GND	V <sub>IN</sub>
2: V <sub>OUT</sub>	V <sub>IN</sub>	GND
3: GND	V <sub>OUT</sub>	V <sub>IN</sub>
4: GND	V <sub>IN</sub>	V <sub>OUT</sub>
5: V <sub>IN</sub>	GND	V <sub>OUT</sub>
6: V <sub>IN</sub>	V <sub>OUT</sub>	GND

#### PACKING

U & D : Tape & Reel

### Package Type



### Typical Application

[Note 4]: Type of C<sub>OUT</sub>

