

## 1A, Low-Dropout Linear Regulators

### Features

- Output current in excess of 1A
- Output voltage accuracy  $\pm 2\%$
- Quiescent current, typically 1.8mA
- Internal short circuit current limit
- Internal over temperature protection

### Applications

- PC motherboard
- ADSL/Cable Modem
- Set-Top-Box
- LAN switch/Hub
- Router

### General Description

The G951 is a low-dropout linear regulator that features the ability to source 1A of output current. The typical quiescent current is 1.8mA.

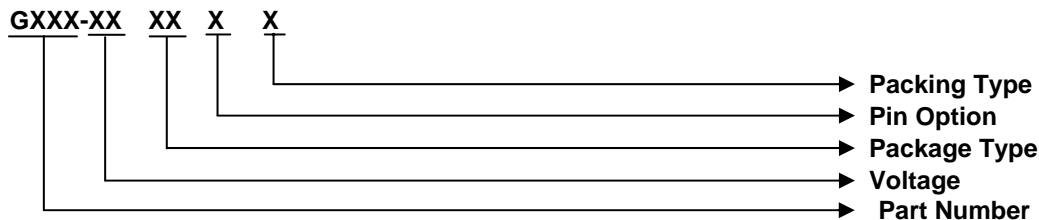
Familiar regulator features such as over temperature and over current protection circuits are provided to prevent it from being damaged by abnormal operating conditions.

### Ordering Information

ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Green)	PIN OPTION		
				1	2	3
G951-10T45U	951-10T45	-40°C~85°C	TO-252	V <sub>IN</sub>	GND	V <sub>OUT</sub>
G951-25T45U	951-25T45	-40°C~85°C	TO-252	V <sub>IN</sub>	GND	V <sub>OUT</sub>
G951-10T45D	951-10T45	-40°C~85°C	TO-252	V <sub>IN</sub>	GND	V <sub>OUT</sub>
G951-25T45D	951-25T45	-40°C~85°C	TO-252	V <sub>IN</sub>	GND	V <sub>OUT</sub>
G951-10T55U	951-10T55	-40°C~85°C	TO-263	V <sub>IN</sub>	GND	V <sub>OUT</sub>
G951-25T55U	951-25T55	-40°C~85°C	TO-263	V <sub>IN</sub>	GND	V <sub>OUT</sub>
G951-10T65U	951-10T65	-40°C~85°C	SOT-223	V <sub>IN</sub>	GND	V <sub>OUT</sub>
G951-25T65U	951-25T65	-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

T4 : TO-252  
T5 : TO-263  
T6 : SOT-223

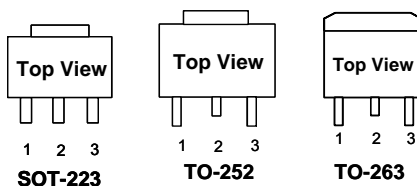
#### PIN OPTION

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>

