

2.5V 1A Regulator

Features

- Output current in excess of 1A
- Output voltage accuracy $\pm 2\%$
- Quiescent current, typically 600 μ A
- 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 G950 positive 2.5V voltage regulator features the ability to source 1A of output current. The typical quiescent current is 0.6mA.

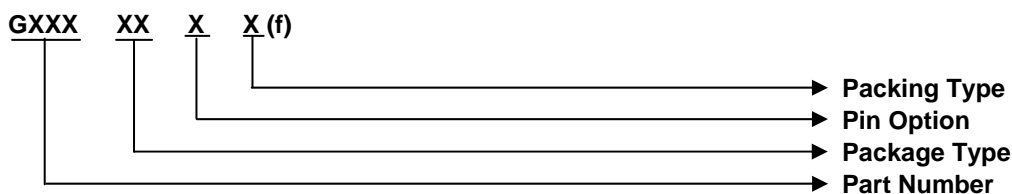
Familiar regulator features such as over temperature and over current protection circuits are provided to prevent it from being damaged by abnormal operating conditions.

Ordering Information

ORDER NUMBER (Pb free/Green)	TEMP. RANGE	PACKAGE	PIN OPTION			REMARK
			1	2	3	
G950T43Uf	-40°C~85°C	TO-252	GND	V _{OUT}	V _{IN}	
G950T45Uf	-40°C~85°C	TO-252	V _{IN}	GND	V _{OUT}	
G950T43D	-40°C~85°C	TO-252	GND	V _{OUT}	V _{IN}	
G950T45D	-40°C~85°C	TO-252	V _{IN}	GND	V _{OUT}	
G950T55Uf	-40°C~85°C	TO-263	V _{IN}	GND	V _{OUT}	OBSOLETE
G950T63Uf	-40°C~85°C	SOT-223	GND	V _{OUT}	V _{IN}	
G950T64Uf	-40°C~85°C	SOT-223	GND	V _{IN}	V _{OUT}	
G950T65Uf	-40°C~85°C	SOT-223	V _{IN}	GND	V _{OUT}	
G950T66Uf	-40°C~85°C	SOT-223	V _{IN}	V _{OUT}	GND	
G950TU5U	-40°C~85°C	TO-263T	V _{IN}	GND	V _{OUT}	

* 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
 TU : TO-263T
 T6 : SOT-223

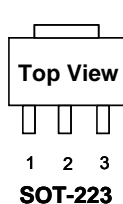
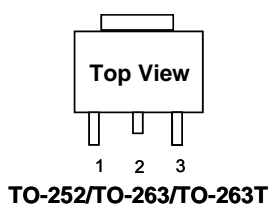
PIN OPTION

1	2	3
1 : V _{OUT}	GND	V _{IN}
2 : V _{OUT}	V _{IN}	GND
3 : GND	V _{OUT}	V _{IN}
4 : GND	V _{IN}	V _{OUT}
5 : V _{IN}	GND	V _{OUT}
6 : V _{IN}	V _{OUT}	GND

PACKING

U & D : Tape & Reel

Package Type



Typical Application

[Note 4]: Type of C_{OUT}

