

5A Adjustable Low-Dropout Linear Regulator

Features

- Available in Adjust Version
- TO-220, TO-252, TO-263 and TO-263T Package
- Internal Short Circuit Current Limiting
- Internal Over Temperature Protection
- Output Current 5A

Applications

- Post Regulation for Switching DC/DC Converter
- High Efficiency Linear Regulator
- Battery Charger
- Battery Powered Instrumentation
- Motherboard

General Description

The G1084 is a low dropout linear regulator with a dropout of 1.2V at 5A of load current. It is available in an adjustable version, which can set the output from 1.25V to 5V with only two external resistors.

The G1084 provides over temperature and over current protection circuits to prevent it from being damaged by abnormal operating conditions.

The G1084 is available in TO-220, TO-252, TO-263 and TO-263T packages. A minimum of 220 μ F tantalum electrolytic capacitor is required at the output to improve the transient response and stability.

Ordering Information

ORDER NUMBER (Pb free/Green)	MARKING	TEMP. RANGE	PACKAGE	PIN OPTION			REMARK
				1	2	3	
G1084T33Tf	G1084	-40°C to +85°C	TO-220	GND/ADJ	V _{OUT}	V _{IN}	
G1084T43Uf	G1084	-40°C to +85°C	TO-252	GND/ADJ	V _{OUT}	V _{IN}	
G1084T43D	G1084	-40°C to +85°C	TO-252	GND/ADJ	V _{OUT}	V _{IN}	
G1084T53Uf	G1084	-40°C to +85°C	TO-263	GND/ADJ	V _{OUT}	V _{IN}	OBSELETE
G1084TU3Uf	G1084	-40°C to +85°C	TO-263T	GND/ADJ	V _{OUT}	V _{IN}	OBSELETE

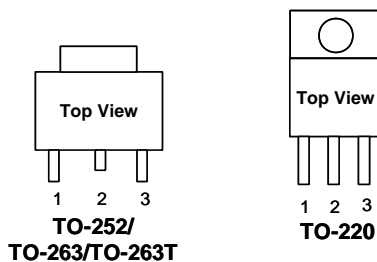
* For other package types and pin options, please contact us at sales@gmt.com.tw

Note: T3: TO-220 T4: TO-252 T5: TO-263 TU: TO-263T (thin)

3: Bonding Code

U & D: Tape & Reel T: Tube

Package Type



Typical Application

[Note 4]: Type of C_{OUT}

