

1A Low-Dropout Linear Regulator

Features

- Available in 1.5V, 1.8V, 2.5V, 3.3V, 3.5V Version
- Space Saving SOT-223, TO-252 Packages
- Internal Short Circuit Current Limiting
- Internal Over Temperature Protection
- Output Current in Excess of 1A

Applications

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

General Description

The G1117-XX is a low dropout linear regulator with a dropout of 1.3V at 1A of load current. It is available in four fixed voltage: 1.5V, 1.8V, 2.5V, 3.3 and 3.5V versions.

The G1117-XX provides over temperature and over current protection circuits to prevent it from being damaged by abnormal operating conditions.

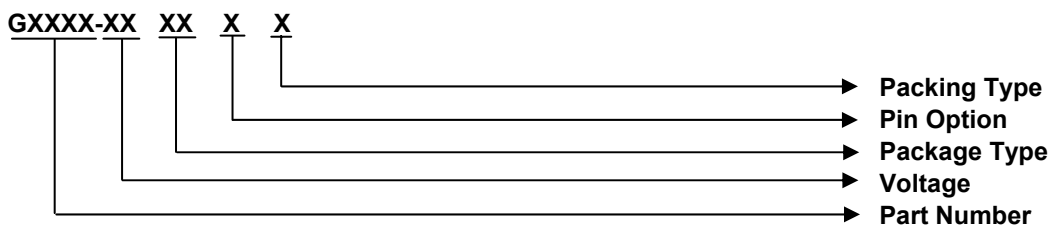
The G1117-XX is available in SOT-223, TO-252 packages. A minimum of 10 μ F tantalum electrolytic capacitor is required at the output to improve the transient response and stability.

Ordering Information

ORDER NUMBER (Pb free/Green)	MARKING	TEMP. RANGE	PACKAGE	PIN OPTION		
				1	2	3
G1117-15T43Uf	1117-15	-40°C~85°C	TO-252	GND	V _{OUT}	V _{IN}
G1117-18T43Uf	1117-18	-40°C~85°C	TO-252	GND	V _{OUT}	V _{IN}
G1117-25T43Uf	1117-25	-40°C~85°C	TO-252	GND	V _{OUT}	V _{IN}
G1117-33T43Uf	1117-33	-40°C~85°C	TO-252	GND	V _{OUT}	V _{IN}
G1117-35T43Uf	1117-35	-40°C~85°C	TO-252	GND	V _{OUT}	V _{IN}
G1117-15T43D	1117-15	-40°C~85°C	TO-252	GND	V _{OUT}	V _{IN}
G1117-18T43D	1117-18	-40°C~85°C	TO-252	GND	V _{OUT}	V _{IN}
G1117-25T43D	1117-25	-40°C~85°C	TO-252	GND	V _{OUT}	V _{IN}
G1117-33T43D	1117-33	-40°C~85°C	TO-252	GND	V _{OUT}	V _{IN}
G1117-35T43D	1117-35	-40°C~85°C	TO-252	GND	V _{OUT}	V _{IN}
G1117-15T63Uf	1117-15	-40°C~85°C	SOT-223	GND	V _{OUT}	V _{IN}
G1117-18T63Uf	1117-18	-40°C~85°C	SOT-223	GND	V _{OUT}	V _{IN}
G1117-25T63Uf	1117-25	-40°C~85°C	SOT-223	GND	V _{OUT}	V _{IN}
G1117-33T63Uf	1117-33	-40°C~85°C	SOT-223	GND	V _{OUT}	V _{IN}
G1117-35T63Uf	1117-35	-40°C~85°C	SOT-223	GND	V _{OUT}	V _{IN}

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

Order Number Identification



PACKAGE TYPE

T4: TO-252
T6: SOT-223

PIN OPTION

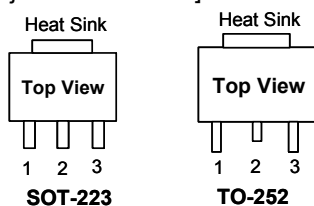
1 2 3
3: GND V_{OUT} V_{IN}

PACKING

U & D : Tape & Reel

Package Type

[*Pin2 join to Heat Sink]



Typical Application

[Note 4]: Type of C_{OUT}

