

2.5V 1A Low Dropout Regulator with Enable

Features

- Dropout voltage 0.6V @ $I_o = 1A$
- Output current in excess of 1A
- Output voltage accuracy $\pm 2.5\%$
- Quiescent current, typically 5mA
- Internal short circuit current limit
- Internal over temperature protection
- TO-220 4pin Full-Mold, TO-252-5 package
- ON/OFF control

General Description

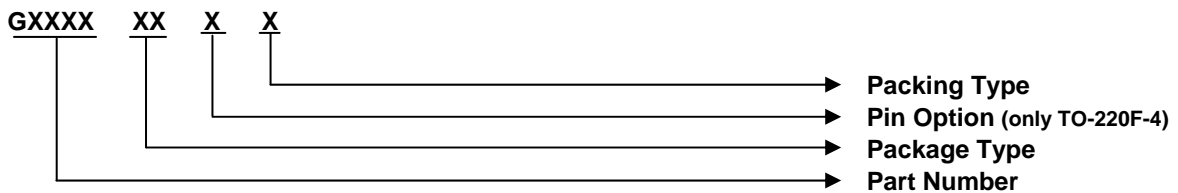
The G9125 positive 2.5V voltage regulator features the ability to source 1A of output current. The dropout voltage is 0.6V at 1A output current. The typical quiescent current is 5mA. Furthermore, the quiescent current is smaller when the regulator is in the dropout mode.

Familiar regulator features such as over temperature and over current protection circuits are provided to prevent it from being damaged by abnormal operating conditions. A V_{EN} pin is provided to disable the output when needed.

Ordering Information

ORDER NUMBER (Pb free/Green)	MARKING	TEMP. RANGE	PACKAGE	PIN OPTION				REMARK
				1	2	3	4	
G9125TF1Tf	G9125	-40°C to +85°C	TO-220F-4	V_{IN}	V_O	GND	V_{EN}	OBSOLETE
G9125TH1Tf	G9125	-40°C to +85°C	TO-220F-4	V_{IN}	V_O	GND	V_{EN}	OBSOLETE
G9125TJUf	G9125	-40°C to +85°C	TO-252-5					

Order Number Identification



PACKAGE TYPE

TF: TO220F-4 (short lead) **1**
 TH: TO220F-4 (long lead) 1.: V_{IN}
 TJ: TO-252-5

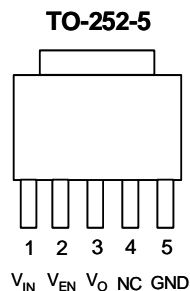
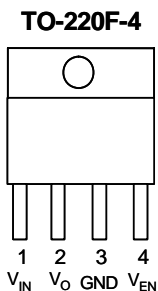
PIN OPTION (only TO-220F-4)

2 **3** **4**
 V_O GND V_{EN}

PACKING

T : Tube
 U : Tape & Reel

Package Type



Typical Application

