



2A Low Dropout Regulator with Enable

Features

- Adjustable Output from 1.2V to 4.8V Using External Resistors
- 1.5V, 1.8V and 2.5V options by Setting ADJ Pin Below 0.2V
- Fixed 2.5V, 3.3V and 5V Output for TO-252
- Over current and over temperature protection
- 500mV dropout @2A
- Enable pin
- 10 μ A quiescent current in shutdown
- Output recovery mode in OTP
- Connect ADJ to GND for fixed output mode
- TO-252 and TO-252-5 Package

Applications

- Battery powered systems
- Motherboards
- Peripheral cards
- Set Top Boxes
- Notebook Computers

Ordering Information

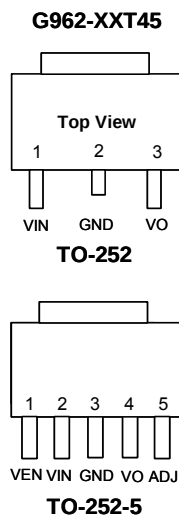
ORDER NUMBER (Pb free/Green)	MARKING	TEMP. RANGE	PACKAGE
G962-25T45Uf	G962-25	-40°C ~ +85°C	TO-252
G962-33T45Uf	G962-33	-40°C ~ +85°C	TO-252
G962-50T45Uf	G962-50	-40°C ~ +85°C	TO-252
G962-25T45D	G962-25	-40°C ~ +85°C	TO-252
G962-33T45D	G962-33	-40°C ~ +85°C	TO-252
G962-50T45D	G962-50	-40°C ~ +85°C	TO-252
G962-15ADJTJUf	G962-15	-40°C ~ +85°C	TO-252-5
G962-18ADJTJUf	G962-18	-40°C ~ +85°C	TO-252-5
G962-25ADJTJUf	G962-25	-40°C ~ +85°C	TO-252-5

Note: T4: TO-252 TJ:TO-252-5

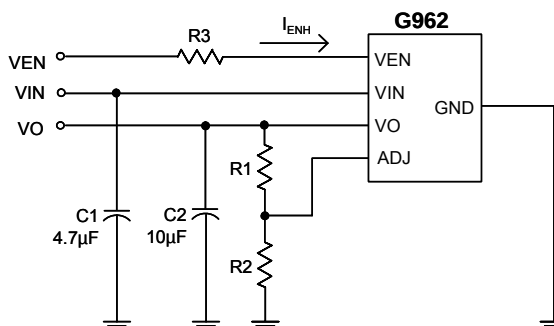
U & D : Tape & Reel

e.g. 18 denotes the 1.8V output voltage.

Pin Configuration



Typical Application Circuit



$$VO = \frac{1.2 (R1+R2)}{R2} \text{ Volts}$$

R2=12k Ω is recommended

R3 should be connected for current I_{ENH} restriction as V_{EN} > V_{IN}+0.3V