

Peak 3A, Low Dropout Regulator with Enable

Features

- Input Voltage as Low as 1.8V and VPP Voltage 5V
- 300mV Dropout @ 2A, VO 1.5V
- Over Current and Over Temperature Protection
- Enable Pin
- Low Reverse Leakage (Output to Input)
- TDFN3X3-10 Packages
- $\pm 2\%$ Output Voltage
- VO Power OK Signal
- VO default 1.5V
- VO Pull Low Resistance when Disable
- VO Soft Start When Enable

Applications

- Motherboards
- Peripheral Cards
- Network Cards
- Set Top Boxes
- Notebook Computers

General Description

The G9662 is a high performance positive voltage regulator designed for use in applications requiring very low Input voltage and very low dropout voltage at up to 2 amps. It operates with a V_{IN} as low as 1.8V and VPP voltage 5V with output voltage programmable as low as 1.5V. The G9662 features ultra low dropout, ideal for applications where V_{OUT} is very close to V_{IN} . Additionally, the G9662 has an enable pin to further reduce power dissipation while shutdown. The G9662 provides excellent regulation over variations in line, load and temperature. The G9662 provides a power OK signal to indicate if the voltage level of VO reaches 92% of its rating value.

The G9662 is available in the power TDFN3X3-10 package.

Ordering Information

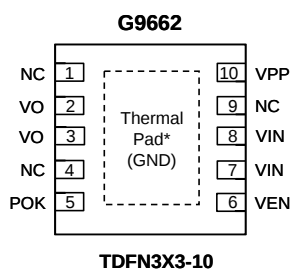
ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Green)
G9662-15RE1U	9662A	-40°C~+85°C	TDFN3X3-10

Note: RE: TDFN3X3-10

1: Bonding Code

U : Tape & Reel

Pin Configuration



•Note: Recommend connecting the Thermal Pad to the Ground for excellent power dissipation.

Typical Application Circuit

