

PWM Switching Regulators

Features:

- Fixed or Adjustable Output Voltage with Accuracy +/- 2.5% & +/- 4%
- Output Current range from 0.25A to 3A
- Thermal Shutdown and Current Limit Protection
- Wide Range of Operation Frequency from 52kHz to 300kHz
- Minimal External Components Required
- Low Standby Current and Low Operation Voltage
- High Efficiency

Application:

Handheld Products/PDA/Palmtop Computer/Mobile Phone, TFT LCD Panel Bias Supplies, Lithium-ion/Alkaline Cell Systems
Local Boost/Buck Regulators, On-Card/Board Switching Regulator, LCD Monitor/TV, Digital Cameras, Set-Top Box

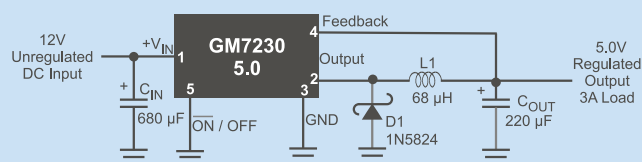
Part No.	MAX. V_{IN} (V)	I_{OUT} (A)	Switch Config.	Switching Frequency (kHz)	V_{OUT} Tolerance	Step Down	Step Up	Package
GM7110	45	1	Internal	52	±4%	✓		TO-252-5, TO-263-5, TO-220-5, TO-220-5B
GM7130	40	3	Internal	52	±4%	✓		TO-263-5, TO-220-5, TO-220-5B
GM7230	40	3	Internal	150	±4%	✓		TO-263-5, TO-220-5, TO-220-5B
GM3255	30	1.5	Internal	280			✓	SOP-8

GM7230 3A Step-Down Voltage Regulators

Features

- 3.3V, 5V, 12V and Adjustable output versions
- Adjustable version output voltage range 1.23V to 37V 4% max over line and load conditions
- 3A output current
- Input voltage range up to 40V
- Requires only 4 external components
- High efficiency
- TTL shutdown capability, low power standby mode
- Thermal shutdown, current limit protection
- Uses standard inductors
- 150 kHz fixed frequency internal oscillator

Typical Application Circuit



DC - DC Converters

Features:

- Operation from 3.0V to 40V Input
- Output Voltage Adjustable
- Output Switch Current to 1.5A
- Current Limiting
- Low Standby Current
- Frequency Operation to 100kHz
- Precision 2% Reference

Application:

Switching Mode Power Supply (SMPS), DVD-ROM/CD-ROM, Desktop PC, DSL Modem, Battery Charger

Part No.	Output Current (A)	MIN. V_{IN} (V)	MAX. V_{IN} (V)	Switch Config.	Frequency Max (kHz)	Temp. Range	Packing
GM34063	1.5	3	40	External	100	0°C to 70°C	DIP-8, SOP-8
GM34063L	0.8	3	40	External	180	0°C to 70°C	DIP-8, SOP-8