

M62720GP

VOLTAGE DETECTING, SYSTEM RESETTNG IC SERIES

GENERAL DESCRIPTION

The M62720GP is a voltage threshold detector designed for detection of a supply voltage and generation of a system reset pulse for almost all logic circuits such as microprocessor.

It also has extensive applications including battery checking, level detecting and waveform shaping circuits.

FEATURES

- Few external parts
- Low threshold operating voltage (Supply voltage to keep low-state at low supply voltage) ...0.65V(TYP.) at $R_L=22k\Omega$
- Wide supply voltage range 1.5to 7.0V
- Sudden change in power supply has minimal effect on the ICs
- Wide application range
- Extra small 3-pin package (3-pin SOP)
- Built-in long delay time

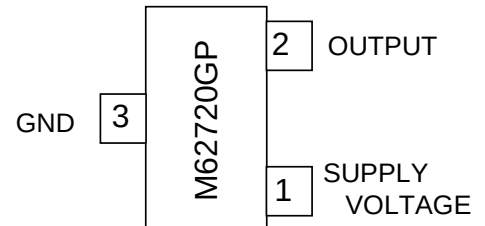
APPLICATION

- Reset pulse generation for almost all logic circuits
- Battery checking, level detecting, waveform shaping circuits
- Delayed waveform generator
- Switching circuit to a back-up power supply
- DC/DC converter
- Over voltage protection circuit

RECOMMENDED OPERATING CONDITION

- Supply voltage range 1.5to 7.0V

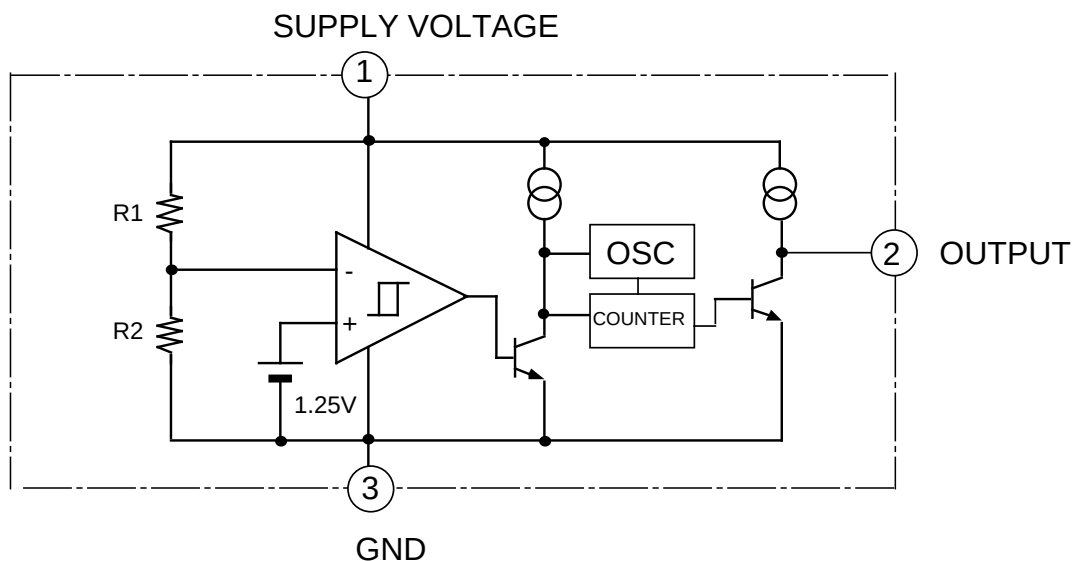
PIN CONFIGURATION (TOP VIEW)



Outline SOT-23

BLOCK DIAGRAM

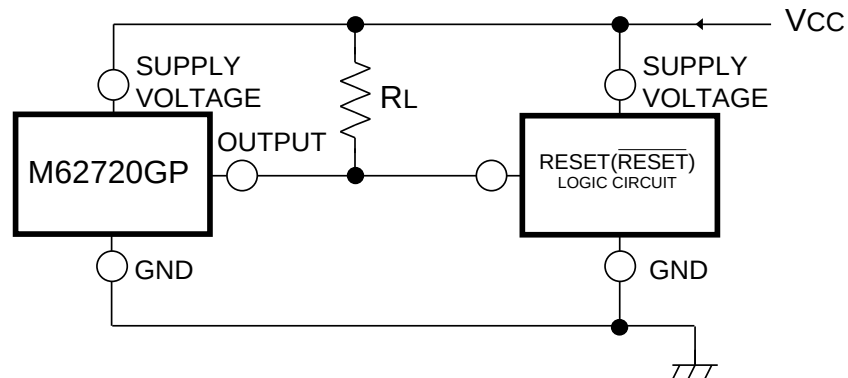
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Example of application circuit Reset Circuit of M62720GP



Note 1.

The logic circuit preferably should not have a pull-down resistor, but if one is present, add load resistor RL to overcome the pull-down resistor.

⚠ Mitsubishi Electric Corporation puts the maximum effort into making semiconductor products better and more reliable, but there is always the possibility that trouble may occur with them. Trouble with semiconductors may lead to personal injury, fire or property damage. Remember to give due consideration to safety when making your circuit design, in order to prevent fires from spreading, redundancy, malfunction or other mishap.

MITSUBISHI STD-LINEAR

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PACKAGE OUTLINE

SOT-23

Dimension : mm

