

# **PRODUCT INFORMATION**

Vol. 74

## Switching Regulator Control IC Developed Realizing 4-channel output and low-voltage operation

#### LA5627W

#### Overview

There has been increasing demand for long time operation in addition to compact size and light weight for portable equipment. The challenge is to reduce voltage for long time operation while at the same time reducing the number of batteries. It is also necessary to supply different voltages for circuits depending on the equipment, or higher voltage than that of batteries. This requires low-voltage operation switching regulator control ICs that can supply the voltage required by circuits, while enabling long time operation through efficient battery use.

The LA5627W switching regulator control IC developed by Sanyo provides a stable output voltage thanks to its 1.8V power supply voltage (VCC) operation even when the battery runs down. Using an auxiliary power supply for VCC supply, operation as low as 1.2V (industry's lowest voltage for 4-channel output type) is possible, enabling efficient battery use. The output voltage for each of the 4 channels can be individually adjusted with an external resistor provided for each. Moreover, ON/OFF can be independently controlled through a microcontroller, making this switching regulator control IC ideal for portable equipment requiring switching regulator control enabling only the required power supply to be switched ON according to the equipment.

#### Features

- 1.8V low-voltage operation is supported. (Operation from as low as 1.2V is possible using an auxiliary power supply.)
- Standby (ON/OFF) function built-in for each channel
- Output voltage settable with external resistor
- Package: SQFP48

### Sample Availability

Sample of the LA5627W will be available in March 1999; production quantities will be anticipated in April 1999.

#### FEBRUARY 1, 1999

