SEIKO Battery Protection ICs and Voltage Regulators

S-8241 Series for 1-Cell Batteries

The S-8241 Series is a protection IC for 1-cell lithium-ion/lithium polymer rechargeable batteries and includes a high precision detection circuit and a delay circuit. It is the optimal IC for protection against overcharge, overdischarge and overcurrent in 1-cell lithium-ion polymer rechargeable battery packs.

For quantities greater than listed, call for quote.

S-8244 for 1-Serial to 4-Serial Cell Batteries

The S-8244 Series is used for secondary protection of lithium-ion rechargeable batteries with one to four cells and includes a high precision voltage detector circuit and a delay circuit. Short circuits between cells accommodates series connection of one to four cells.

For quantities greater than listed, call for quote.

S-8254 Series for 3-Serial or 4-Serial Cell Pack Batteries

The S-8254 Series is a protection IC for 3-cell or 4-cell lithium-ion/lithium polymer rechargeable batteries and includes a high precision detection circuit and a delay circuit. It protects both 3-cell or 4-cell series using the SEL pin for switching.

For quantities greater than listed, call for quote.

S-812 Series

These ICs are suitable for protecting 2-cell rechargeable lithium-ion/lithium polymer battery packs from overcharge, overdischarge and overcurrent.

The S-812 Series is a three-terminal positive voltage regulator made using the CMOS process. Since this has higher precision output voltage and consumes less current than past CMOS voltage regulators, (i.e., small ceramic capacitors can also be used in the S-814 Series). These are recommended to be used for configuring portable devices and large output current applications, respectively.

For quantities greater than listed, call for quote.

S-814 Series

The S-814 Series is a low dropout voltage, high output voltage accuracy and low current consumption positive voltage regulator developed utilizing CMOS technology. Built-in low ON-resistance power transistors provide low dropout voltage and large output current. A power-off circuit ensures long battery life. Various types of output capacitors can be used in the S-814 Series compared with past CMOS voltage regulators, (i.e., small ceramic capacitors can also be used in the S-814 Series). These are recommended to be used for configuring portable devices and large output current applications, respectively.

For quantities greater than listed, call for quote.