

## S-8130 Series

### Temperature Switch with Latch

[www.seiko-usa-eed.com/intcir/products/sensor/tempswitch.html](http://www.seiko-usa-eed.com/intcir/products/sensor/tempswitch.html)

#### Key Features

- When the S-8130 detects a preset / selected temperature the output signal is inverted and fixed or latched until the S-8130 receives a reset signal or the input voltage drops below a set level.
- Available in the S-8130AA version which features preset detection temperatures selectable in 5 degree C steps between +60 and +95 degrees C, and the S-8130AC version which allows the design engineer to fix the detection temperature with external resistors.
- Low voltage operation of 2.2 V, minimum, and low quiescent current of 15 uA make this an ideal device for battery powered equipment.
- 8-pin MSOP package allows for reduced board space and smaller designs

#### Applications

- Ideal temperature monitor / switch for electronic devices such as MP3 players, pagers, set top boxes, home security, GPS receivers, notebook PCs, digital cameras, etc.

#### Block Diagram

