

Hall Effect ICs with Low Standby Current in Compact Packages

ROHM's Hall Effect ICs (**BU52xxx series**) for portable applications are available in the industry's smallest chip-scale BGA package. This physical advantage combined with the industry's lowest average current, fully integrated compensation and push-pull CMOS logic output circuitry, make these ICs an attractive alternative to mechanical switches and competitive Hall effect devices. Available in unipolar, omnipolar and bipolar configurations.

Applications

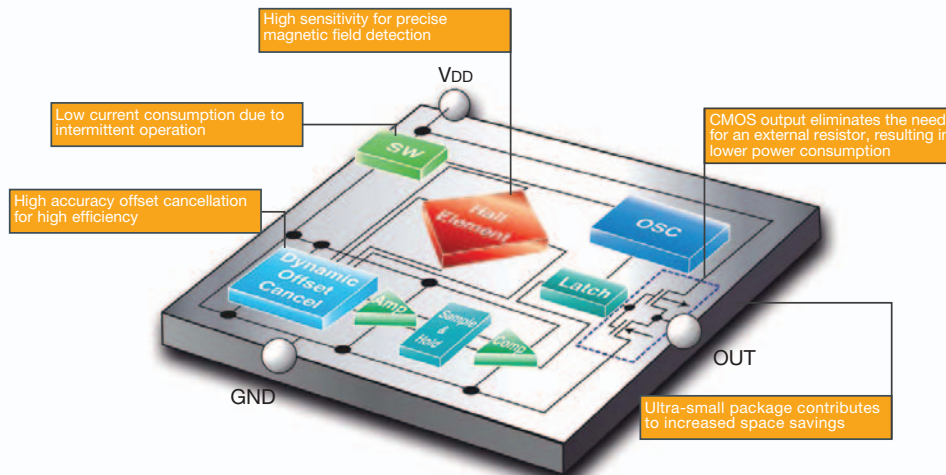
- Portable switch applications
- Smartphone/PDA ON/OFF when taking out of case
 - Sliding cover on mobile phones or digital cameras
 - Flip phone or laptop cover open/close
 - Tablet PCs
 - Track wheel positioning on MP3 players, toys and game controllers

Pricing

Quantity per reel: 3,000 pieces
 Price: \$0.38 (unipolar) to \$0.91 (bipolar)
 Samples: Available now

Key Features

- Compact chip-scale BGA package: 1.1 x 1.1 x 0.5mm
- Compact surface-mount package: 1.6 x 1.6 x 0.6mm
- Low average current: 3.5µA
- Fully-integrated compensation and push-pull CMOS logic output circuitry
- Built-in dynamic offset cancellation allows for less precise positioning of the permanent magnet
- Integrated CMOS output eliminates the need for external pull-up resistors
- 8kV ESD resistance ensures greater reliability
- Broad operating voltage range: -40C to +85C



More info

http://www.rohm.com/us/Hall_ICs.html
http://www.rohm.com/products/lsi/sensor/hall_sensor/selection/

