

## RPI-1031: ROHM starts sample deliveries on new 4-Directional SMD Tilt Sensor

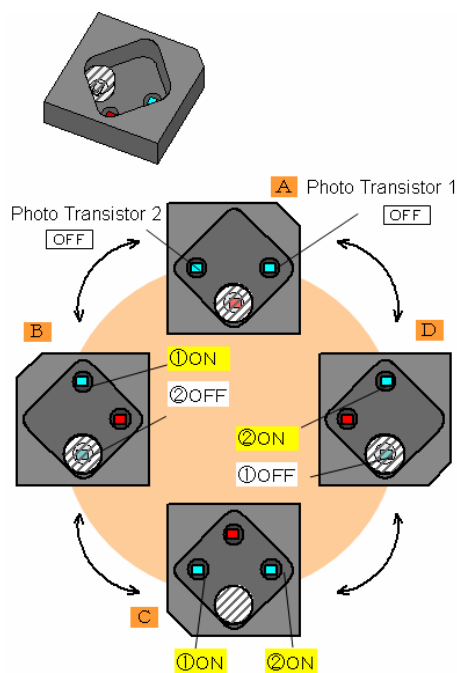
By adding the new 4-direction tilt sensor in an extremely small surface mount package ( $3.9 * 3.9 * 2.4\text{mm}^3$ ), Rohm helps customers to bring new fancy features to their products.

The RPI-1031 employs the principle of ROHM's advanced photo interrupter technology through the integration of one IR LED and two IR photo transistors. It allows identifying the gravity direction in equipment turning up, down, left and right.

One application example is the fully automatic picture format change in digital camera systems, when turning the camera by 90 degrees (landscape <-> portrait). But there are many more applications that start to adopt the new ROHM tilt sensor: mobile phones, portable navigation systems, portable media devices, irons, fan heaters, electric fans, remote controls, water level controls, audio accessories, etc.

Samples are available on request, the mass production of RPI-1031 is planned to ramp up during Q3 '2008. The part is reflow compatible, Pb-free, RoHS compliant and is shipped taped on reel.

### Operation principle of RPI-1031:



### Picture of RPI-1031:

