



β SM 231
β SM 232
β SM 233
β SM 234
MAGNETIC HALL - EFFECT SENSORS

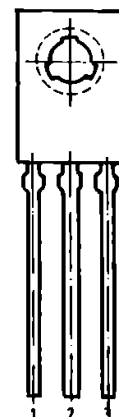
The β SM 231, β SM 232, β SM 233 and β SM 234 are three pins magnetic Hall - effect sensors, special designed for computer keyboards. The sensor has a TTL compatible open collector output, that switches in Low state in the presence of a magnetic field. The β SM 230 IC series use the same chip, but have some different electro - magnetical performances.

The β SM 230 series is not recommended for extended temperature range.

Features

- Operating temperature	0 ... +70 °C
- Supply voltage	β SM 231, β SM 232 ... 4.5 ... +25 V
	β SM 233, β SM 234 ... 4.5 ... 10 V
- Supply current	β SM 231, β SM 232 ... max. 6.5 mA
	β SM 233, β SM 234 ... max. 10 mA
- Low level output voltage :	
	β SM 231, β SM 232 at 40 mA ... max. 500 mV
	β SM 233, β SM 234 at 16 mA ... max. 500 mV
- "ON STATE" magnetic field :	
	β SM 231, β SM 233 ... min. 30 mT
	β SM 232 ... min. 30 mT
	β SM 234 ... min. 70 mT

1. Supply voltage
2. GND
3. Output



PACKAGE SOT-32 / FRONT VIEW

Not recommended for new design