

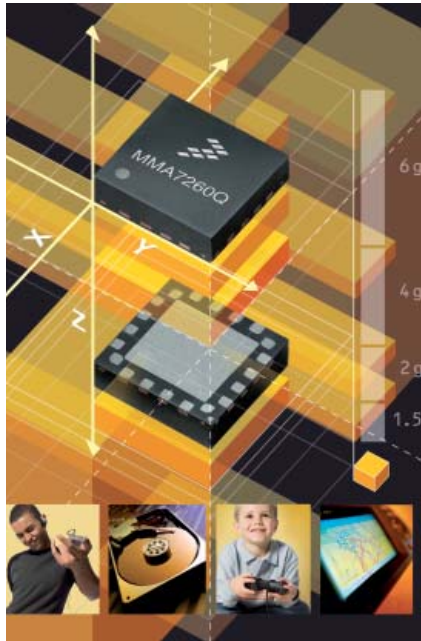
MMA7260Q
1k units from:
€ 5.15

KIT3109MMA7260Q
Evaluation Kit
€ 56

MMA7260Q

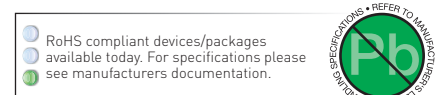
3-Axis Low-g Accelerometer

Christian Bangert, Silica Europe



Key Features

- Selectable Sensitivity (1.5g/2g/4g/6g)
- XYZ – three axis of sensitivity
- Low Current Consumption:
500 μ A
- Sleep Mode: 3 μ A
- Low Voltage Operation:
2.2 V to 3.6 V
- 6mm x 6mm x 1.45 mm Quad Flat
No-Lead (QFN) package
- High Sensitivity (800 mV/g @ 1.5g)
- Fast Turn On Time
- Integral Signal Conditioning with Low
Pass Filter
- Robust Design,
High Shocks Survivability
- Pb-Free Terminations
- Environmentally Preferred Package
- Low Cost



Key Applications

- Freefall detection
- Anti-Theft (Security) Applications
- Motion sensors
- Event recorders

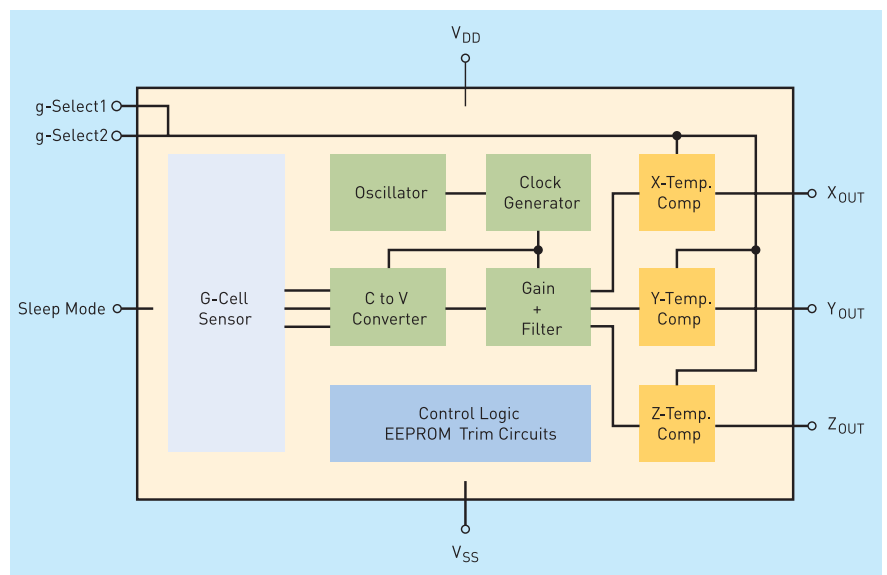
Key Design Tips

Sensor Development Tools:

- RD3112MMA7260Q: STAR: sensing
triple-axis reference design
- KIT3109MMA7260Q: Evaluation Kit using
the MMA7260Q

Freescale Semiconductor's MMA7260Q XYZ three-axis low g acceleration sensor is designed to detect on three axes, allowing your end application the freedom of movement and detection it needs. In addition, for multifunctional applications, this three-axis device allows you to select between 1.5g, 2g, 4g and 6g levels of acceleration.

This solution is ideal for end products or embedded systems requiring measurement of low g forces resulting from fall, tilt, motion, positioning, shock or vibration. Target markets include consumer, appliance, industrial, medical and computer peripherals. Freescale offers a broad portfolio of acceleration sensors from 1.5g to 250g for applications ranging from highly sensitive seismic detection to robust collision detection.



Simplified Accelerometer Functional Block Diagram

Service available or already delivered T&R from Manufacturer.
Tapes are available, but not stocked at Avnet Logistics due to low demand.
Device supported by or programming equipment, but the socket for this package must be provided by customer.

P/N	Package	Programming	Taping & Reeling	Marking	Lead Free
MMA7260Q	16-lead QFN			IF TUBES	Y
KIT3109MMA7260Q		Tool			
RD3112MMA7260Q		Tool			