



Accelerometers

for safety-critical automotive and high-performance industrial applications

Features

- Common package for single, dual, and tri axis accelerometers
- Dual Flat Lead (DFL) plastic package for SMD mounting.
- Excellent bias stability over temperature
- Excellent noise performance
- Exceptionally insensitive to shocks and vibrations
- Automotive qualified according to AEC-Q100 standard
- Advanced self-diagnostics features
- Internal temperature sensor

Applications

- Electronic Stability Control (ESC/ESP) Antilock Braking (ABS)
- Roll Over Sensor (RoV)
- Electric Parking Brake (EPB)
- Electronically Controlled Suspension (ECS)
- Hill Start Assistance (HSA)
- Anti Roll Control (ARC)
- Anti-Vibration Control
- Industrial Navigation

Product Line-Up

	Product	Axis	Range	3dB point	Total Offset	Offset T-dep
Single Axis	SCA810-D01	X	2g	30 – 80 Hz	100mg	70mg
	SCA820-D03	Z	2g	30 – 80 Hz	100mg	70mg
	SCA820-D04	Z	2g	30 – 80 Hz	70mg	30mg
	SCA830-D05	Y	2g	30 – 80 Hz	100mg	70mg
	SCA830-D06	Y	2g	30 – 80 Hz	70mg	30mg
	SCA830-D07	Y	1g	6.25 Hz	70mg	30mg
Dual Axis	SCA2100-D01	XY	2g	30 – 55 Hz	70mg	50mg
	SCA2100-D02	XY	2g	30 – 55 Hz	70mg	30mg
	SCA2110-D03	XZ	2g	30 – 55 Hz	70mg	50mg
	SCA2120-D07	YZ	2g	30 – 55 Hz	70mg	50mg
Tri-axis	SCA3100-D04	XYZ	2g	30 – 55 Hz	70mg	30mg
	SCA3100-D07	XYZ	6g	30 – 55 Hz	100mg	70mg
	SCA3060-D01	XYZ	2g	30 – 55 Hz	200mg	Motion sense wakeup output