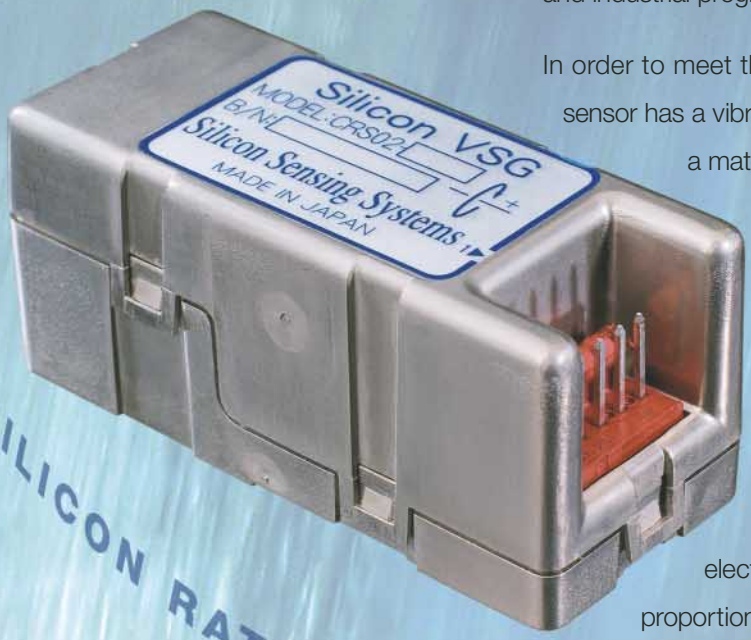
CRS02



The CRS02 has been selected for consumer and industrial programmes worldwide.

In order to meet these environments, the sensor has a vibrating element made of silicon - a material stronger than steel (under its own weight), but only one third the weight.

The silicon is deep trench etched to produce an accurate micromachined planar sensor, which is combined with control electronics to provide a DC output proportional to rate of turn

SILICON RATE SENSOR • SILICON RATE SENSOR

Key Features and Benefits

- Low parts count and design simplicity for high reliability
- Robust and lightweight sensor
- Low cost and small

Specification Guide	CRS02
Rate range	±150°/s
Scale factor	12.75 mV/°/s
Scale factor variation over temperature	±3%
Bias (setting tolerance)	±100 mV
Bias (over temperature)	±10°/s
Ready time	0.6 sec.
Bandwidth	85 Hz
Quiescent noise (typical)	0.75°/s (rms)
Operating Temperature	-25°C to +85°C
Operating Shock	200 G's 1 ms ½ sine
Operating voltage	+4.85 V to +5.15 V
Operating current	<±35 mA
Mass	25 g

Specification subject to change without notice.

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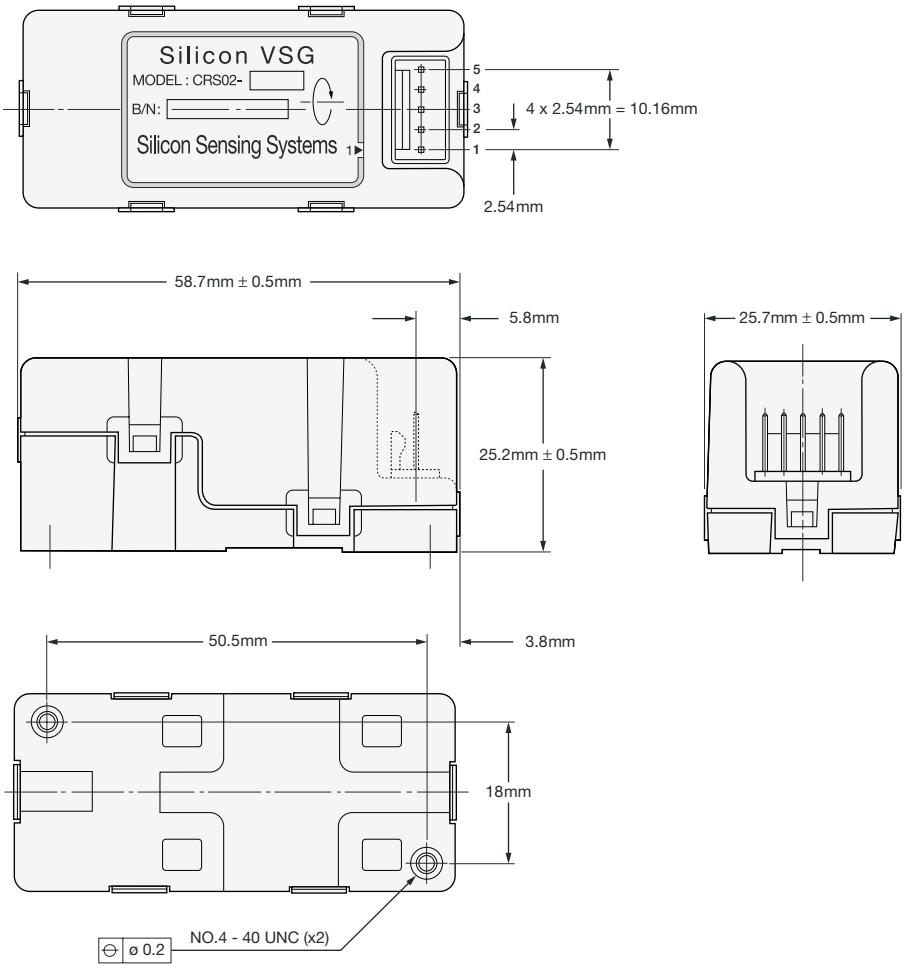
Silicon Sensing Systems

CRS02



Interconnections	
Pin Number	**Function**
1	+VDC
2	Rate Output
3	NC
4	NC
5	Ground

Silicon Sensing Systems

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