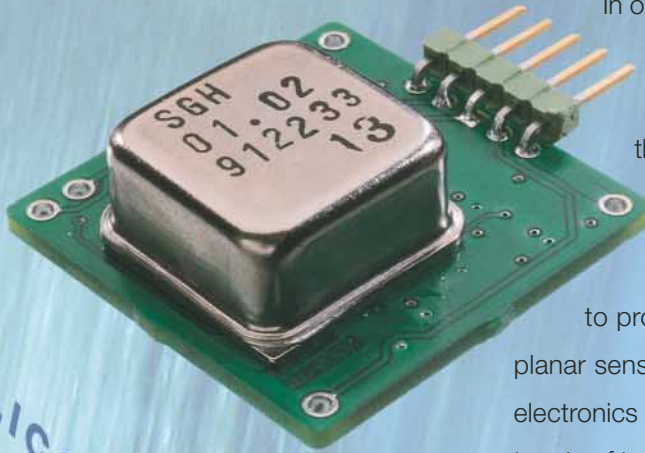


CRS04



The CRS04 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

Key Features and Benefits

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

Specification Guide

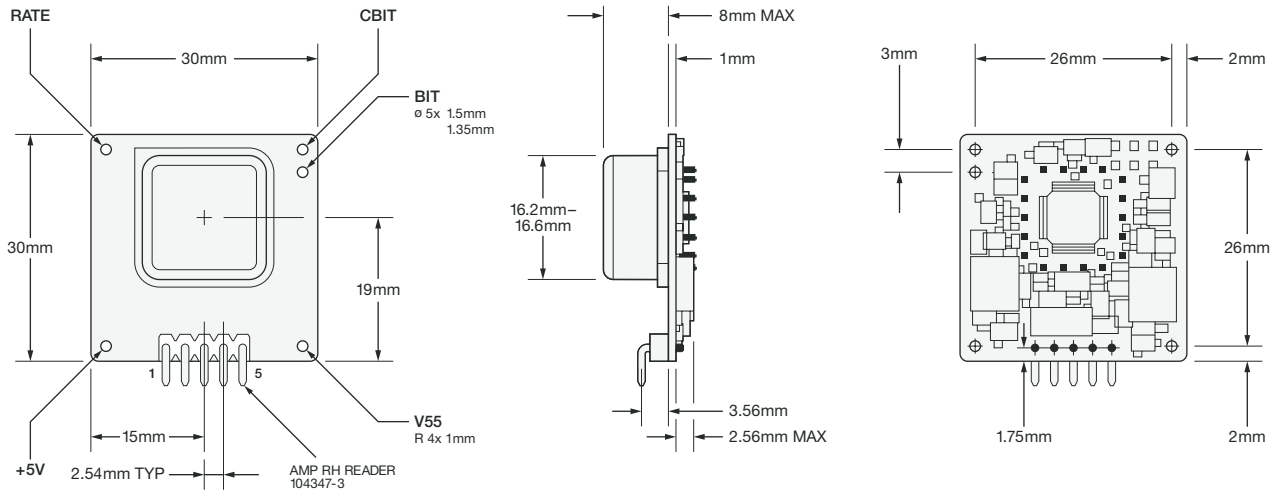
CRS04

Rate range	$\pm 150^\circ/\text{s}$
Scale factor	12.75 mV/ $^\circ/\text{s}$
Scale factor variation over temperature	$\pm 3\%$
Bias (setting tolerance)	± 100 mV
Bias (over temperature)	$\pm 10^\circ/\text{s}$
Ready time	> 0.5 sec.
Bandwidth	85 Hz
Quiescent noise (typical)	0.75 $^\circ/\text{s}$ (rms)
Operating Temperature	-25°C to $+85^\circ\text{C}$
Operating Shock	200 G's 1 ms $\frac{1}{2}$ sine
Operating voltage	+4.85V to +5.15V
Operating current	$< \pm 35$ mA
Mass	12g

Specification subject to change without notice.



CRS04



Interconnections	
Pin Number	Function
1	+VDC
2	Rate Output
3	Command BIT input
4	BITE output
5	Ground



Silicon Sensing Systems

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