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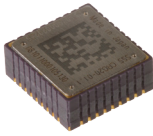
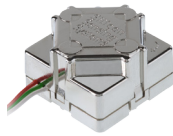
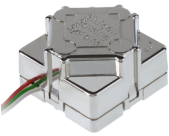
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SILICON
SENSING®

The
Gyro

MEMS Single Axis
Product Selection Guide



	PinPoint®	CRG20	CRS43	CRS03	CRS07	SiRRS01	CRS09	CRS39	CRH02
									
Part Numbers Available	CRM100 CRM102 CRM200 CRM202	CRG20-01 CRG20-02 CRG20-12 CRG20-22	CRS43-01 CRS43-02 CRS43-04	CRS03-01T CRS03-02T	CRS07-02S CRS07-11S CRS07-13S	RRS01-01 RRS01-03 RRS01-05 RRS01-07 RRS01-09	CRS09-01 CRS09-02 CRS09-11 CRS09-12	CRS39-03	CRH02-025 CRH02-100 CRH02-200 CRH02-400
Status	In Production (Recommended for New Applications)			In Production (NOT Recommended for New Applications)			In Production (Recommended for New Applications)		
Alternative	–	–	–	CRS43	CRS43	CRS09 CRS39	–	–	–
Dynamic Range	±75°/s to ±1,000°/s	±75°/s to ±300°/s	±100°/s to ±200°/s	±80°/s to ±573°/s	±100°/s to ±573°/s	±50°/s to ±1,500°/s	±100°/s to ±200°/s	±25°/s	±25°/s to ±400°/s
Supply Voltage (Vdd)	3.3V	5.0V	5.0V	5.0V	5.0V	±5.0V	5.0V	5.0V	5.0V
Bias Instability (Typical)	14°/hr	5°/hr	<14°/hr	14°/hr (100°/s)	14°/hr (100°/s)	5°/hr (110°/s)	0.7°/hr (100°/s)	<0.1°/hr	<0.12°/hr
Bias Variation with Temp	±3°/s	±2.5°/s	±3°/s, ±6°/s	±3°/s (100°/s) ±28.65°/s (573°/s)	±3°/s (100°/s) ±28.65°/s (573°/s)	±3°/s	±1°/s, ±3°/s	±60°/hr	±0.1°/s
In-Band Quiescent Noise	0.18°/s rms (100Hz)	0.80°/s rms	<0.18°/s, (100°/s)	0.28°/s rms (100°/s)	0.28°/s rms (100°/s)	0.35°/s rms (110°/s)	0.03°/s rms	0.03°/s rms	0.15°/s
Bandwidth (Gain -3dB)	5Hz to 160Hz User Selectable	40Hz, 75Hz, 90Hz	24Hz	10Hz, 30Hz	10Hz, 30Hz	50Hz	55Hz	25Hz	50Hz, 100Hz
Operating Temp	-40°C to +105°C	-40°C to +105°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +75°C	-40°C to +85°C	-10°C to +110°C	-40°C to +85°C
Current Consumption	4mA	60mA	26mA	35mA	35mA	50mA	100mA	80mA	60mA
Dimensions (mm)	5.7 x 4.8 x 1.2 (CRM100) 6.3 x 5.5 x 2.7 (CRM200)	9 x 9.5 x 3.44	29 x 29 x 18.4	29 x 29 x 18.4 27 x 27 x 10.6	24.2 x 24.5 x 18.3 21 x 22 x 13.15	31.8 x 31.8 x 17.7	63 x 63 x 19	75 x 24.5 x 19	33 x 33 x 25
Interface	Analogue, Digital, SPI®	Analogue, Digital, SPI®	Analogue	Analogue	Analogue	Analogue	Analogue	Analogue	Analogue
Configurations	SMD In-plane & Orthogonal	SMD	Module Case Unsealed	Module Case Unsealed & OEM	Module Case Unsealed & OEM	Module Case Sealed	Module Case Unsealed	OEM	Module Case Unsealed

