



Export Control Free

MAXL-OL-2000C

Open Loop Products

Advanced MEMS sensors for multiple applications;
Taking accuracy to the next level

Export Control Free

MAXL-OL-2000C Key Parameters

Parameter		MAXL-OL-2002C	MAXL-OL-2005C	MAXL-OL-2010C
Sensing Range g		±2	±5	±10
Bias @25°C mg (max)		5	13	30
Long Term Bias Repeatability mg (max)		1.5	2.4	4.5
Bias Short Term Stability (1h) µg (max)		100	150	200
Bias Temperature Sensitivity µg/°C (1σ)		70	110	120
Bias Temperature Residual µg (1σ)		400	500	500
Turn On to Turn On Repeatability mg (max)		0.09	0.24	0.45
Scale Factor mV/g		600±2	240±2	120±2
Long Term SF Repeatability ppm (max)		1800	1800	1800
SF Short Term Stability (1h) ppm (max)		<200	<200	<200
SF Temperature Sensitivity ppm/°C (1σ)		55	55	55
SF Temperature Residual ppm (1σ)		200	200	200
SF Linearity Error	% of input acceleration (1σ)	0.7	0.7	0.7
	% of full scale (1σ)	0.2	0.2	0.2
Bandwidth Hz (-3dB)		200 (500)*	250 (1000)*	250 (1000)*
Noise Density µg/√Hz (max)		1.2	1.6	2.2

(*)Special order required for adjusted Bandwidth. No degradation in other parameters.

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