

Ultra-low frequency accelerometer



Features

- Ultra Low frequency
- Top connector
- High sensitivity
- Hermetic seal
- Case isolated
- ESD protection
- Reverse wiring protection
- EMI / RFI shielded

Dynamic

PARAMETERS	VALUE	UNITS
Sensitivity, $\pm 10\%$, 25°C	20	V/g
Acceleration range	0.25	g peak
Amplitude nonlinearity	1	%
Frequency response (+/-5%):	0.2-400	Hz
Frequency response (+/-3dB):	0.1-500	Hz
Resonance frequency	2	kHz
Transverse sensitivity, max	5	% Of axial
Temperature response: -50°C	-10	%
Temperature response: +120°C	+10	%

Electrical

PARAMETERS	VALUE	UNITS
Power requirement:	voltage source	18 - 30
	current regulating diode	2 - 10
Electrical noise, Broadband Spectral(g):	5	μg
Output impedance, max	100	Ω
Bias output voltage(typical)	12	VDC
Grounding	Case grounded	/

Environmental

PARAMETERS	VALUE	UNITS
Temperature range.	-55 to 125	°C
Shock limit	100	g peak
Sealing	Hermetic	/

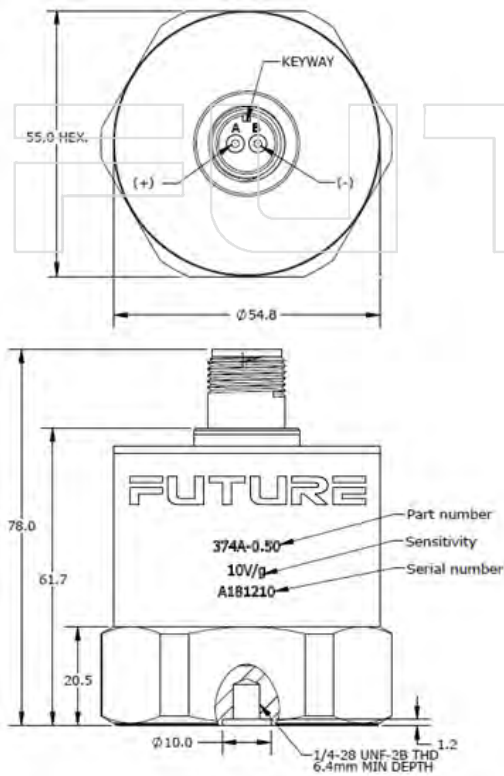
Physical

PARAMETERS	VALUE	UNITS
Sensing element design	PZT ceramic/shear	/
Weight (W/O cable)	920	grams
Case material	316L stainless steel	/
Output connector	2 pin, MIL-C-5015	/

Accessories

PARAMETERS	VALUE	UNITS
¼-28(A) or M6(B) mounting screw (or customers specified)	/	/
Calibration certificate	1	set

Note: Frequency response limits spectral and noise values are typical



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