

Model Number
3335C

PERFORMANCE SPECIFICATION

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SINGLE AXIS, CHARGE MODE ACCELEROMETER

REV D, ECN 14594, 010/25/18



- HERMETICALLY SEALED
- HIGH TEMPERATURE (1200°F [649°C]) OPERATION
- CASE GROUND ISOLATED

		ENGLISH		SI	
PHYSICAL					
Weight, Max. (Less Cable)		1.23	oz	35	grams
Connector	Туре	10-32		10-32	
Mounting Provision		10-32 Screw		10-32 Screw	
Material	Housing	Alloy 600		Alloy 600	
	Connector	Stainless Steel		Stainless Steel	
Element Style	Material	Single Crystal		Single Crystal	
	Туре	Planar Shear		Planar Shear	
PERFORMANCE Sensitivity [1]		1 - 2	pC/g	0.1 - 0.2	pC/m/s²
		1 - 2	nC/a	01-02	pC/m/s ²
Frequency Response	±5%	[3] to 2500	Hz	[3] to 2500	Hz
	±10%	[3] to 3500	Hz	[3] to 3500	Hz
	±30%	[3] to 5000	Hz	[3] to 5000	Hz
Resonant Frequency		> 20	kHz	> 20	kHz
Capacitance		340	pF	340	pF
inearity [2]		± 1%	% F.S.	± 1%	% F.S.
Maximum Transverse sensitivity		5	%	5	%
Strain Sensitivity		0.002	g/με	0.02	m/s²/με

at 75°F >1.0E8

at 1200°F >5.0E4

Negative

±1000	G, peak	±9810	
±2000	G, peak ±19620		
-60 to+1200	°F	-51 to+649	
Hermetic		Hermetic	
>1.0E8	Ω	>1.0E8	

Ω

Ω

at 24°C >1.0E8

at 649°C >5.0E4

Negative

Ω

Ω

m/s2, peak

m/s2, peak

°C

Ω

This family also includes:						
Model	Sensitivity (pC/g)	Range F.S (G's)	Output Polarity	Temperature (°F)		

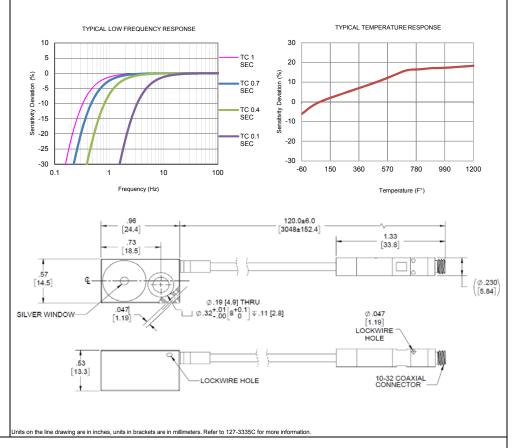
Refer to the performance specifications of the products in this family for detailed description.

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Mounting screw, model 6971 (SHCS, 10-32 X .75), Qty 1. Mounting screw model 69074 (Hex, 10-32 X.75) optional.

Notes:

- [1] Measured at 100Hz, 1 Grms per ISA RP 37.2
- [2] Measured using zero-based straight line method, % of F.S. or any lesser range.
- [3] Low frequency response and phase response is function of charge amplifier. See graph below for example.
- [4] In the interest of constant product improvement, we reserve the right to change specifications without notice.
- [5] U.S. Patent number US 8,375,793 B2 applies to this unit.





Insulation resistance

ENVIRONMENTAL

Maximum Vibration

Temperature Range

Maximum Shock

Ground Isolation

Seal

Output Polarity