

- MINIATURE SIZE
- HERMETICALLY SEALED
- HIGH TEMPERATURE OPERATION

PHYSICAL

Weight, Max		oz		grams	
Size	Square x Height	Inches		mm	
Connector [3]	Type				
Mounting Provision : Tapped Hole					
Material	Housing				
Element Style	Connector				
	Material				
	Type				

ENGLISH	SI
0.21	6.0
.40 x .36	10.16 x 9.10
10-32 Coaxial	10-32 Coaxial
5-40 UNC-2B	5-40 UNC-2B
Alloy 600	Alloy 600
UNS K94610	UNS K94610
Single Crystal	Single Crystal
Planar Shear	Planar Shear

PERFORMANCE

	ENGLISH	SI		SI
Sensitivity [1]	.5 to 2	pC/g	0.10 to 0.20	pC/m/s ²
Range F.S for ± 5 Volts Output	±5000	G's	±49050	m/s ²
Frequency Range, ±10%	[4] to 10000	Hz	[4] to 10000	Hz
Resonant Frequency	> 45	kHz	> 45	kHz
Capacitance	120	pF	120	pF
Linearity [2]	± 1%	% F.S.	± 1%	% F.S.
Phase Response (±5°)	[4] to 3000	Hz	[4] to 3000	Hz
Maximum Transverse sensitivity	5	%	5	%
Strain Sensitivity	0.002	g/μe	0.02	m/s ² /μe
Insulation resistance, (Connector pin to case)	at 75°F > 5	MΩ	at 75°F > 5	Ω
	at 900°F > 0.25	MΩ	at 900°F > 0.25	Ω
Coefficient of Thermal Sens.	0.02	%F	0.02	%F
Ground Isolation	Case Ground		Case Ground	

ENVIRONMENTAL

	ENGLISH	SI		SI
Maximum Vibration	±6000	G, peak	±58860	m/s ² , peak
Maximum Shock	±10000	G, peak	±98100	m/s ² , peak
Temperature Range	-60 to+900	°F	-51 to+482	°C
Seal	Hermetic		Hermetic	

This family also includes:

Model	Sensitivity (pC/g)	Range F.S (G's)	Output Polarity	Temperature (°F)
3316C	1 to 2	± 5000	Positive when mounted on its base	-60 to+900
3316C1	1 to 2	± 5000	Negative when mounted on its base	-60 to+900

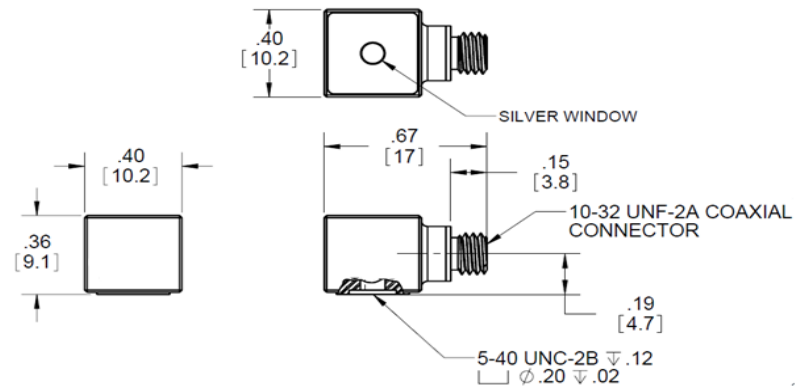
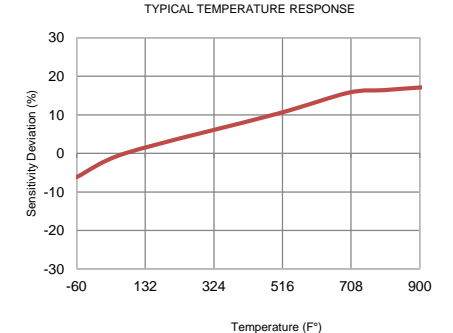
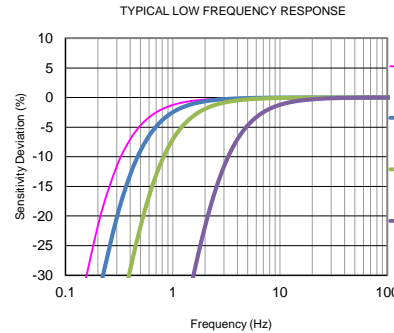
Refer to the performance specifications of the products in this family for detailed description.

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Model 6584 mounting stud (5-40 to 10-32), qty 1

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] Mates with Dytran cable 6946AXX hardline cable and 6979AXX hardline insulated cable.
- [4] Low frequency response and phase response is function of charge amplifier. See graph below for example.
- [5] In the interest of constant product improvement, we reserve the right to change specifications without notice.
- [6] Recommended charge amplifier: Dytran model 4754B, Series.
- [7] Isolation mounting base model 6959 (triaxial) and 6998 (uniaxial) are available.
- [8] U.S. Patent number US 8,375,793 B2 applies to this unit.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3316M2 for more information.

