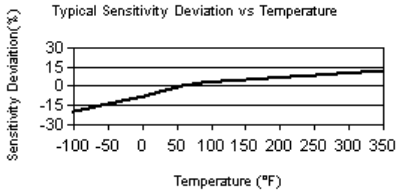
Model Number **357A09**	**ACCELEROMETER, CHARGE OUTPUT**	Revision E ECN #: 21626

Performance	**ENGLISH**	**SI**	
Sensitivity (±20 %)	1.7 pC/g	0.17 pC/(m/s²)	
Measurement Range	±2000 g pk	±19620 m/s² pk	
Frequency Range (+5 %)	10 kHz	10 kHz	[2]
Frequency Range (+10 %)	13 kHz	13 kHz	[2]
Resonant Frequency	≥50 kHz	≥50 kHz	
Non-Linearity	≤1 %	≤1 %	[3]
Transverse Sensitivity	≤5 %	≤5 %	[4]
Environmental			
Overload Limit (Shock)	±10000 g pk	±98100 m/s² pk	
Temperature Range	-100 to +350 °F	-73 to +177 °C	
Temperature Response	See Graph	See Graph	[1]
Base Strain Sensitivity	≤0.10 g/με	≤1.0 (m/s²)/με	[1]
Electrical			
Capacitance	310 pF	310 pF	[1]
Insulation Resistance (at 70° F [21°C])	$>10^{10}$ ohm	$>10^{10}$ ohm	
Output Polarity	Negative	Negative	
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Epoxy	Epoxy	
Size (Height x Length x Width)	0.14 in x 0.45 in x 0.25 in	3.6 mm x 11.4 mm x 6.4 mm	
Weight	0.02 oz	0.6 gm	[1]
Electrical Connector	3-56 Coaxial Jack	3-56 Coaxial Jack	
Electrical Connection Position	Side	Side	
Mounting	Adhesive	Adhesive	



All specifications are at room temperature unless otherwise specified.
In the interest of constant product improvement, we reserve the right to change specifications without notice.
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Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)

P - Positive Output Polarity		
Output Polarity	Positive	Positive

Notes

[1] Typical.
[2] Low frequency response is determined by external signal conditioning electronics.
[3] Zero-based, least-squares, straight line method.
[4] Transverse sensitivity is typically <= 3%.

Supplied Accessories

030A10 Coax Cable, 10 ft (3 m), 3-56 plug to 10-32 plug. (1)
039A27 One-piece removal tool for Models 352C22, 357C10, 352A21, & 357A09 (1)
080A109 Petro Wax (1)
ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)

Entered: BLS	Engineer: JJB	Sales: WDC	Approved: BAM	Spec Number:
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