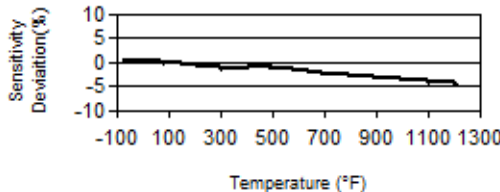


Model Number 357A95		SHEAR CHARGE OUTPUT ACCELEROMETER		Revision: NR ECN #: 47581	
Performance		ENGLISH	SI	OPTIONAL VERSIONS	
Sensitivity(± 10 %)		3.3 pC/g	0.34 pC/(m/s ²)	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
Measurement Range		± 1000 g pk	± 9800 m/s ² pk		
Frequency Range(± 5 %)		3 kHz	3 kHz		
Frequency Range(± 1 dB)		5 kHz	5 kHz		
Resonant Frequency		≥ 15 kHz	≥ 15 kHz		
Non-Linearity(per full scale range)		≤ 1.0 %	≤ 1.0 %		
Transverse Sensitivity		≤ 5 %	≤ 5 %		
Environmental					
Overload Limit(Shock)		± 2000 g pk	± 19,600 m/s ² pk		
Temperature Range(Operating)		-67 to 1200 °F	-55 to 649 °C		
Temperature Range(Survivable Limit)		-67 to 1400 °F	-55 to 760 °C		
Temperature Range(Cable Termination)		-67 to 900 °F	-55 to 482 °C		
Temperature Response		See graph	See graph	[1]	
Radiation Exposure Limit(Integrated Neutron Flux)		1 E10 N/cm ²	1 E10 N/cm ²		
Radiation Exposure Limit(Integrated Gamma Flux)		1 E8 rad	1 E8 rad		
Electrical					
Capacitance		520 pF	520 pF	[1][2]	
Insulation Resistance(@ 1200°F[649°C])		≥ 10 kohm	≥ 10 kohm	NOTES:	
Insulation Resistance(@ 70° F [21°C])		≥ 100 MOhm	≥ 100 MOhm	[1] Typical.	
Output Polarity		Differential	Differential	[2] Additional cable length will add approx. 50pF/ft.	
Electrical Isolation		Signal isolated from case	Signal isolated from case	[3] See PCB Declaration of Conformance PS081 for details.	
Physical					
Sensing Element		UHT-12™	UHT-12™		
Sensing Geometry		Shear	Shear		
Housing Material		Nickel Alloy	Nickel Alloy		
Sealing(Sensor Housing)		Hermetic	Hermetic		
Sealing(Connector)		Welded Hermetic	Welded Hermetic		
Size (Height x Length x Width)		.56 in x .95 in x .56 in	14.2 mm x 24.1 mm x 14.2 mm		
Weight(without cable)		1.6 oz	45 gm	[1]	
Cable Length		10 ft	3.05 m		
Cable Type		Integral Hardline Cable	Integral Hardline Cable		
Cable Termination		7/16-27 2-Pin	7/16-27 2-Pin		
Mounting		Through Hole	Through Hole		
		Typical Sensitivity Deviation vs Temperature			
					
					
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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SUPPLIED ACCESSORIES: Model 081A116 Mounting Screw, 10-32 UNJF-3Ax 5/8", Inconel 718 (1) Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)					
Entered: LK		Engineer: JJD		Sales: MC	
Date: 1/31/2018		Date: 1/31/2018		Date: 1/31/2018	
				Approved: NJF	
				Spec Number:	
				68368	
					
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