

Model Number 357E91		CHARGE OUTPUT ACCELEROMETER		Revision: C ECN #: 46956	
Performance		ENGLISH		SI	
Sensitivity(± 10 %)		5 pC/g		.51 pC/(m/s²)	
Measurement Range		± 1000 g pk		± 9800 m/s² pk	
Frequency Range(± 5 %)		3 kHz		3 kHz	
Frequency Range(± 1 dB)		5 kHz		5 kHz	
Resonant Frequency		≥ 13.5 kHz		≥ 13.5 kHz	
Non-Linearity(per full scale range)		≤ 2.5 %		≤ 2.5 %	
Transverse Sensitivity		≤ 5 %		≤ 5 %	
Environmental					
Overload Limit(Shock)		± 2000 g pk		± 19,600 m/s² 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	
Radiation Exposure Limit(Integrated Neutron Flux)		1 E10 N/cm²		1 E10 N/cm²	
Radiation Exposure Limit(Integrated Gamma Flux)		1 E8 rad		1 E8 rad	
Electrical					
Capacitance		1000 pF		1000 pF	
Insulation Resistance(@ 1200°F[649°C])		≥ 10 kohm		≥ 10 kohm	
Insulation Resistance(@ 70° F [21°C])		≥ 100 MOhm		≥ 100 MOhm	
Electrical Isolation		Signal isolated from case		Signal isolated from case	
Physical					
Sensing Element		UHT-12™		UHT-12™	
Sensing Geometry		Shear		Shear	
Housing Material		Inconel		Inconel	
Sealing(Sensor Housing)		Hermetic		Hermetic	
Sealing(Connector)		Welded Hermetic		Welded Hermetic	
Size (Height x Length x Width)		.66 in x 1.16 in x .66 in		16.7 mm x 29.5 mm x 16.7 mm	
Weight(without cable)		1.8 oz		50 gm	
Electrical Connector		Integral Hardline Cable		Integral Hardline Cable	
Cable Length		10 ft		3.05 m	
Cable Type		MI Hardline Cable		MI Hardline Cable	
Cable Termination		10-32 Coaxial Jack		10-32 Coaxial Jack	
Mounting		Through Hole		Through Hole	



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