

172-0081, REV C

Model Number 3143M16		PERFORMANCE SPECIFICATIONS				
·	IEPE TRIAXIAL ACCE		CELEROMETER			REV C, ECN 14180, 04/27/
12	This family also includes:					
3 * JIASMIG	• HERMETICALLY SEALED • EXCELLENT LINEARITY • CRYOGENIC		Model Sens	sitivity (mV/g) Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°r
			Refer to the performance specifications of the products in this family for detailed description Supplied Accessories:			
,	ENGLISH	SI	1) Accredited calibration certif	icate (ISO 17025)		
HYSICAL /eight, Max. onnector [1] Type lounting Provision Thru Hole laterial, Housing/Connector ensing Element lement Style	1.75 oz 4 - PIN 6-32 Mounting Screw 300 Series S.S. Quartz Planar Shear	50 grams 4 - PIN 6-32 Mounting Screw 300 Series S.S. Quartz Planar Shear	[2] Measured at 100Hz, 1 Grm[3] Measured using zero-base[5] Do not apply power to this	d straight line method, % of F.S. or any lesser system without current limiting, 20 mA MAX. T product improvement, we reserve the right to c	range. o do so will destroy the an	
PERFORMANCE Sensitivity, ±5% [2] Range for ± 5 Volts Output Frequency Response, ±5% Resonant Frequency Broad Band Resolution [7] Linearity [2] Maximum Transverse sensitivity Strain Sensitivity @ 250με ENVIRONMENTAL Maximum Vibration Maximum Shock Operating Temperature Range Coefficient of Thermal Sensitivity Seal ELECTRICAL Supply Current Range [3] Compliance Voltage Range Output Impedence,Typ Bias Voltage Discharge Time Constant Electrical Isolation	$\begin{array}{c c} 10 & \text{mV/g} \\ \hline \pm 500 & \text{g peak} \\ 1.6 \text{ to } 5000 & \text{Hz} \\ \times 25 & \text{kHz} \\ 0.007 & \text{g rms} \\ \hline \pm 1 & \% \text{ F.S.} \\ \hline 6 & \% \\ 0.012 & \text{g/}\mu\epsilon \\ \hline \\ $	$\begin{tabular}{ c c c c c } \hline 1 & mV/m/s^2 \\ \hline \pm 4905 & m/s^2 \\ m/s^2 & m/s^2 \\ \hline m/s^2 rms \\ \hline \pm 1 & % F.S. \\ \hline 0.07 & m/s^2 rms \\ \hline \pm 1 & % F.S. \\ \hline 0.12 & m/s^2/\mu\epsilon \\ \hline \hline \\ \hline \hline \\ $	10 5 0 0 0 0 0 0 0 0 0 0 0 0 0	WFREQUENCY RESPONSE 20 9 90 10 10 1	VAY RET ION PIN 2	22 79 136 193 250
			.60 [15.2] .30 [7.6]	3/8-28 UN-2A 1		