

172-0081, REV C

3049E	Number         PERFORMANCE SPECIFICATIONS							DOC NO PS3049E	
	IEPE ACCELEROMETER							REV C, ECN 15295, 09/03/	
			This family also includes:						
DYTRAN BOOGEX XXXX	MINIATURE DESIGN     HERMETICALLY SEALED     LOW-OUTGASSING     BASE ISOLATED			Model Refer to the performa Supplied Accessori		Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (*	
	ENGLISH	SI				5)			
PHYSICAL Veight, Max. Connector, Top Mounted Material (Base, Cap, Connector) Sensing Element Material Mode PERFORMANCE Besnitivity, ±5% [1] Range for ± 5 Volts Output Grequency Response, ± 5% Resonant Frequency Equivalent Electrical Noise Floor inearity, [2] Maximum Transverse Sensitivity Base Strain Sensitivity @ 250µe ENVIRONMENTAL Maximum Vibration Maximum Shock Gremperature Range Beal	0.15         oz           10-32         Integral Stud 10-32 UNF-2A           Titanium Alloy         Ceramic           Shear         Shear           10         mV/g           500         g           1 to 10,000         Hz           × 35         kHz           0.003         Grms           ±2         % F.S.           5         %           0.004         g/με           600         Gpeak           5000         F.A.           %         F.S.           5         %           0.004         g/με	4.2           10-32           Integral Stud 10-32 UNF-2A           Titanium Alloy           Ceramic           Shear           1.0           4905           1 to 10,000           > 35           0.03           ±2           5           0.04           5886           49050           -51 to 121           Hermetic	m/s <sup>2</sup> Hz kHz m/s <sup>2</sup> rms % F.S. % F.S. % F.S. % m/s <sup>2</sup> peak m/s <sup>2</sup> peak °C			do so will destroy the IC hange the specifications properties described in the sta and / or specifications including typical parameter TYPICAL TEMPERATURE	ecifications without notice. scribed in the product specificat pecifications may vary in differer		
ELECTRICAL Supply Current Range [3] Compliance Voltage Range Dutput Impedence, Typ. Bias Voltage Discharge Time Constant Dutput Signal Polarity for Acceleration Toward Top Electrical Isolation (Case Ground to Mounting Surface)	2 to 20         mA           +18 to +30         Q           100         Ω           +11 to +13         VDC           0.5 to 1.2         Sec           Positive         10           10         GΩ	2 to 20 +18 to +30 100 +11 to +13 0.5 to 1.2 Positive 10	mA Ω VDC Sec GΩ	Units on the line drawing are	Ø.48 [12.1] 10-32 UNF-2A MOUNTING ST		HEX - - - - - - - - - - - - -		