Model Number 612A01	HIGH TEMPE	RATURE INC	DUSTRIAL	CHARGE ACCELEROMETER	Revision: C ECN #: 53216
Performance	ENGLISH	SI		OPTIONAL VERSIONS	
Sensitivity(± 15 %)	26 pC/g	2.6 pC/(m/s ²)	[1]	Optional versions have identical specifications and accessories as list	ed for the standard model exce
requency Range(+ 10 %)	300 kcpm	5,000 Hz	[2]	where noted below. More than one option ma	ay be used.
requency Range(+ 3 dB)	600 kcpm	10 kHz	[-]	M - Metric Mount	
esonant Frequency	1,800 kcpm	30 kHz	[3]	Supplied Accessory: Model M081A61 Mounting Stud 1/4-28 to M6	X 1 replaces Model 081A40
on-Linearity	± 1 %	±1%	[4]		·
ransverse Sensitivity	≤ 5 %	≤ 5 %	["]		
nvironmental	3 5 70	2 3 70			
verload Limit(Shock)	5,000 g pk	49,050 m/s ² pk			
emperature Range(Operating)	-65 to +500 °F	-54 to +260 °C			
emperature Response	See Graph	See Graph			
nclosure Rating	IP68	IP68			
ectrical	1 00	1 00			
apacitance	1,500 pF	1,500 pF	[3]		
sulation Resistance(at 500°F)			[3]		
	> 10 ⁹ Ohm	> 10 ⁹ Ohm			
sulation Resistance(at room temp)	≥ 0.5 x 10 ¹² Ohm	≥ 0.5 x 10 ¹² Ohm	[3]		
ectrical Isolation(Base)	> 10 ⁸ Ohm	> 10 ⁸ Ohm	[3]		
utput Polarity	Negative	Negative			
hysical	-	-			
ensing Element	Ceramic	Ceramic			
ensing Geometry	Shear	Shear			
ousing Material	Stainless Steel	Stainless Steel			
aling	Welded Hermetic	Welded Hermetic			
ze (Hex x Height)	7/8 in x 2.12 in	22.2 mm x 53.8 mm			
eight	2.95 oz	83.6 gm	[3]		
ectrical Connection Position	Тор	Тор	[-]		
ectrical Connector	2-Pin MIL-C-5015	2-Pin MIL-C-5015			
ounting Thread	1/4-28 UNF	No Metric Equivalent			
ounting Torque	2 to 5 ft-lb	2.7 to 6.8 Nm			
				NOTES: [1]Conversion Factor 1g = 9.81 m/s ² . [2]1Hz = 60 cpm (cycles per minute). [3]Typical value. [4]Zero-based, least-squares, straight line method.	
CE	Typical Sensitivity Deviation vs Temperature 20 10 0 40 40 500 10 -10 -10 0 10 -10 0 10 -10 0 10 -10 0 10 -10 0 10 0 0 10 0 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0		SUPPLIED ACCESSORIES: Model 081A40 Mounting Stud Model ICS-1 NIST-traceable single-axis amplitude response calibration from 600 cpm (10 Hz) to upper 5% frequency		
		Temperature (°F)		Entered: ND Engineer: NJF Sales: EGY Appro	oved: JS Spec Number:
				Date: 10/14/2022 Date: 10/14/2022 Date: 10/14/2022 Date:	10/14/2022 13075
II specifications are at room temperatur the interest of constant product improv CP [®] is a registered trademark of PCB Pie	ement, we reserve the right to ch	nange specifications without	notice.	Phone: 800-959 Fax: 716-684-32 E-Mail: imi@po 3425 Walden Avenue, Depew, NY 14043	823