Model Number TLD339A37	TRIAXIAL ICP® ACCELEROMETER					Revision: B ECN #: 52500
Porformanco	ENCLICH	CI.		ΟΡΤΙΟ	ONAL VERSIONS	
Sensitivity(± 10 %)	100 mV/a	3 ا 10.2 mV/(m/s ²)		Optional versions have identical specification	ns and accessories as listed for	the standard model excer
Measurement Range	± 50 g pk	± 490.5 m/s ² pk		where noted below. N	Aore than one option may be ι	used.
Frequency Range(± 5 %)	0.3 to 4,000 Hz	0.3 to 4,000 Hz		TI B - TEDS I MS International - Automotiv	ive	
Frequency Range(± 10 %)	0.2 to 7,000 Hz	0.2 to 7,000 Hz		Format		
Resonant Frequency	≥ 35 kHz	≥ 35 kHz				
Flectrical Filter Boll-off	20 dB/decade	20 dB/decade				
Electrical Filter Corner Frequency	≥ 15 kHz	≥ 15 kHz				
Broadband Resolution(1 to 10,000 Hz)	0.002 g rms	0.019 m/s ² rms	[1]			
Phase Response(± 5 °)(at 70°F [21°C])	3 to 2,000 Hz	3 to 2,000 Hz				
Non-Linearity	≤ 1 %	≤ 1 %	[2]			
TEDS Compliant/Per IEEE 1451 4)	≥ 3 % Ves	≤ 3 % Ves				
Environmental	163	Tes				
Overload Limit(Shock)	± 5,000 g pk	± 49,000 m/s ² pk				
Temperature Range(Operating)	-65 to 356 °F	-54 to 180 °C				
Temperature Response	See Graph	See Graph	[1]			
Temperature Coefficient of Sensitivity	≤ 0.011 %/°F	≤ 0.020 %/°C	[1]			
	.001 g/με	.0098 (m/s)/µε	[1]			
Excitation Voltage	21 to 30 VDC	21 to 30 VDC				
Constant Current Excitation	2 to 4 mA	2 to 4 mA	[3]			
Output Impedance	≤ 200 Ohm	≤ 200 Ohm				
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC				
Discharge Time Constant	2 to 6 sec	2 to 6 sec				
Spectral Noise(1 Hz)	< 30 sec 210 µg/√Hz	< 50 sec	[1]			
Spectral Noise(10 Hz)	40 µg/s/Hz	2,060 (µm/sec)/VHz	[1]			
Spectral Noise (100 Lz)	40 µg/ V1/2	392 (µm/sec ²)/√Hz	[1]			
	20 µg/ v Hz	196 (µm/sec ²)/√Hz	[1]			
Spectral Noise(1 kHz)	12 µg/√Hz	118 (µm/sec ²)/√Hz	[1]			
Spectral Noise(10 kHz)	10 µg/√Hz	98 (µm/sec ²)/√Hz	[1]			
Physical						
Sensing Element	UHI-12 ^m	UHI-12 [™]				
Housing Material	Titanium	Titanium		NOTES		
Sealing	Hermetic	Hermetic				
Size (Height x Length x Width)	0.55 in x 0.80 in x 0.55 in	14.0 mm x 20.3 mm x 14.0)	[1]Typical. [2]Zero-based least-squares straight line	method	
		mm		[3]Increased current up to 20mA accentab	r_{1} r_{2} r_{1} r_{1	
Weight	0.37 oz	10.5 gm	[1]	[4]See PCB Declaration of Conformance P	S023 for details.	
Electrical Connection Position	1/4-20 4-PIN Side	1/4-28 4-PIN Side		[.]		
Mounting Thread	5-40 Female	5-40 Female				
	Typical Sensitivity Deviation vs Temperature					
1				SUPPLIED ACCESSORIES:		
	<u>्</u> रद्व 20 —			Model 010S10 Shielded cable, 10FT, 4-pin p	plug to (3) BNC plugs (Labeled	X,Y,Z) (1)
	≨ਿਊ 10 —			Model 080A109 Petro Wax (1)	1)	
	(응원 0			Model 080A145 Adhesive Mounting Base (1)	
[4]	5 g -10			Model 080A90 Quick Bonding Ger (1)	0) (1)	
	°°° -20 +			Model ACS-1T NIST traceable triaxial ampli	itude response 10 Hz to uppe	r 5% frequency (1)
	-70-30	10 50 90 13017021025	50290330370	Model M081A27 Metric mounting stud, 5-4	40 to M3 x 0.50 long (1)	i site inequency. (1)
	-/0-00	Townseture (%E)				
		Temperature ("F)		Entered: ND Engineer: BAM Sa	les: KK Approved: F	BAM Spec Number:
				Date: 01/21/2022 Date: 01/21/2022 Da	ate: 01/21/2022 Date: 01/21	1/2022 66651
					Phone: 716-684-0001 Fax: 716-684-0987	1
				- FUD FIEZUTRUNI	E-Mail: info@pcb.co	m
All specifications are at room temperature	unless otherwise specified			AN AMPHENOL COM	MPANY	
In the interest of constant product improve	ement, we reserve the right to c	hange specifications without	notice.	3425 Walden Avenue, Depew, NY 14043		
ICP [®] is a registered trademark of PCB Pier	zotropics Inc	5				