Model Number 3743F1110G	TR	IAXIAL DC RE	SPONS	E ACCELERO	OMETER			Revision: A CN #: 53791	
	ENGLISH					PTIONAL VERSI			
Performance Sensitivity(± 3 %)	270 mV/g	<b>SI</b> 27.5 mV/(m/s <sup>2</sup> )	[1]	Optional versions	have identical specifi	cations and accessor	ries as listed for the st	andard model except	
Measurement Range	± 10 g pk	$\pm 98.1 \text{ m/s}^2 \text{ pk}$	[1]	·	where noted be	low. More than one o	option may be used.		
		0 to 1,000 Hz							
Frequency Range(± 5 %)	0 to 1,000 Hz 0 to 1,500 Hz	0 to 1,500 Hz							
Frequency Range(± 10 %) Resonant Frequency	3.2 kHz	3.2 kHz	[2]						
Phase Response(100 Hz)	5.2 k⊓z < 10 °	5.2 KHZ < 10 °	[2]						
Non-Linearity(Typical)	0.3 %	0.3 %	[3]						
Non-Linearity(Max)	1%	1%	[3]						
Broadband Resolution(0.5 to 100 Hz)	0.3 mg rms	0.003 m/s <sup>2</sup> rms	[2]						
Transverse Sensitivity(Typical)	1 %	1 %	[-]						
Transverse Sensitivity(Max)	3 %	3 %							
Environmental	3 /0	0,10							
Overload Limit(Shock)	± 5,000 g pk	± 49,050 m/s² pk							
Temperature Range(Operating)	-65 to +250 °F	-54.0 to +121 ℃							
Temperature Range(Storage)	-65 to +250 °F	-54.0 to +121 ℃							
Temperature Coefficient of Sensitivity	± 1 %	±1%	[4][2]						
Zero g Offset Temperature Coefficient	± 1 % FSO	± 1 % FSO	[4][5][2]						
Base Strain Sensitivity	.001 g/με	.01 (m/s²)/με	[2]						
Magnetic Sensitivity	40 µg/gauss	3.9 (m/s²)/Tesla	[2]						
Electrical									
Excitation Voltage	5 to 28 VDC	5 to 28 VDC							
Current Consumption	≤ 15 mA	≤ 15 mA							
Output Impedance	≤ 120 Ohm	≤ 120 Ohm							
Offset Voltage(0 g)	± 20 mVDC	± 20 mVDC	[6]						
Common Mode Voltage(+/- 0.1 VDC)	1.65 VDC	1.65 VDC							
Spectral Noise(1 Hz)	30 µg/√Hz	294 (µm/s²)/√Hz	[2]						
Spectral Noise(10 Hz)	30 µg/√Hz	294 (µm/s²)/√Hz	[2]						
Spectral Noise(100 Hz)	30 µg/√Hz	294 (µm/s²)/√Hz	[2]						
Electrical Isolation(Case)	> 10 <sup>8</sup> Ohm	> 10 <sup>8</sup> Ohm							
Physical									
Housing Material	Titanium	Titanium							
Sealing	Hermetic	Hermetic							
Size (Length x Width x Height)	0.8 in x 0.8 in x 0.8 in	20.3 mm x 20.3 mm x 20.3		NOTES:					
		mm		[1]Measured at 1	00 Hz, 1 grms.				
Weight	0.6 oz	17.3 gm		[2]Typical.					
Electrical Connector	9-Pin	9-Pin			ast-squares, straight				
Electrical Connection Position	Side	Side			, ref. 75 °F (-54 to +1				
Mounting Thread	10-32 Female	10-32 Female		[5]FSO= Full Scale Output over the Measurement Range [6]Offset tolerance is based on 10 ft of 037 test cable.					
				[7]See PCB Decla	[7]See PCB Declaration of Conformance PS027 for details.				
				SUPPLIED ACCESSORIES:					
					Model 080A12 Adhesive Mounting Base (1)				
	Model 091205 Mounting Stud (10, 22 to 10, 22) (1)								
							from 5 Hz to +5% free	quency range (1)	
CE UK				Model M081B05 N	Nounting Stud 10-32	to M6 X 0.75 (1)			
				Entered: ND	Engineer: NJF	Sales: JM	Approved: BAM	Spec Number:	
				Date: 05/16/2023	Date: 05/16/2023	Date: 05/16/2023	Date: 05/16/2023	76546	
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				🚯 DÊD D	<b>IEZÓTRÓ</b>	Phone: 71 Fax: 716-0	6-684-0001 584-0987		
				түрг			fo@pcb.com		
All specifications are at room temperature u	unless otherwise specified				AN AMPHENOL	COMPANY			
In the interest of constant product improver		change specifications without	notice	3425 Walden Aver	nue, Depew, NY 1404	3			
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