



Model Number 7603D4									DOC NO PS7603D4
									REV E, ECN 14848, 02/05/19
	This family also includes:								*
				Model	Input Range (g)	Frequency Response, ±3dB (Hz)	Sensitivity Differential, ±5% (mV/a)	Max.Shock (0.1ms)	Noise Differential (µg/√Hz)
• VARIABLE CAPACITANCE TECHNOLOGY				7603D1	±2	0-400	250	2000	7
	• DIFFERENTIAL MODE	• DIFFERENTIAL MODE • HERMETICALLY SEALED • DC RESPONSE			±5	0-500	100	2000	12
					±10	0-1000	50	5000	18
(Pm	DC RESPONSE				±50	0-2000	10	5000	50
					±100	0-2500	5	5000	100
					±200	0-3000	2.5	5000	200
	ENGLISH SI			7603D8 ±400 0-4000 1.25 5000 400					
				Refer to the performance specifications of the products in this family for detailed description.					
PHYSICAL				Supplied Ac	cessories:				
Weight, Max	1.3 oz	38	grams		d calibration certific	ate (ISO 17025)			
Connector Type	9-pin, 5/16-32 UNEF-2A	9-pin, 5/16-32 UNEF-2A	g		stud, Model 6360,	. ,			
Material	Titanium Alloy	Titanium Alloy			stud, Model 6691,		•		
Sensing Technology	MEMS MEMS			4) Mounting screws, Model 69034A16, 8-32 x 1.0, Qty. 2					
0 0,				5) Mounting screws, Model 6687A1, M4x0.7 x 25mm, Qty. 2					
PERFORMANCE					ers, Model 6754, Q		,,		
nput Range	±25 g	±245.3	m/s <sup>2</sup>	-,					
Frequency Response (±5%)	0 - 500 Hz	0 - 500	Hz	Notes:					
Frequency Response (±3dB)	0 - 1400 Hz	0 - 1400	Hz		ded sensitivity is ha	alf of values sho	wn. (Ref. at 100 Hz)		
Resonant Frequency	>3000 Hz	>3000	Hz		-90% of Full Scale.		(		
Sensitivity Differential, ±5% [1]	20 mV/g	2	mV/m/s <sup>2</sup>		rated temperature				
Output Noise, Differential ,Typ	ü	25 μ g rms/V Hz 245 μ m/s <sup>2</sup> /V Hz			age equal to (+v - (-				
Non-Linearity, Max [2]	0.5 % F.S	0.5	% F.S	[5] In the interest of constant product improvement, we reserve the right to change specifications without notice.				tions without notice.	
Cross Axis Sensitivity, Max	3 %	3	%	[6] +6.0 to +22.0 VDC in single supply operation with V- grounded.					
ENVIRONMENTAL							1.36 34.4]		
Maximum Mechanical Shock (0.1 ms)	±5000 gpk	±49050	m/s² peak				[25]	2X Ø.18 THRU	
Bias Temperature Shift ,Max [3]	111 (ppm of span)/°F 200 (ppm of span								
Bias Calibration Error, Max	0.5 % of span	0.5	% of span						
Operating Temperature Range	-67 to +257 °F	-55 to +125	°C			t. ml		.99 75 [25]	
Seal	Hermetic	Hermetic				Ø.43 [10.9]		[19]	
ELECTRICAL					5/16-32 UNE 9-PIN CONN	F-2A ECTOR	$\oplus$		
Output Common Mode Voltage, ± VDC	[4]	[4]					()	o	
Output Impedance,Nom	1225 Ω	1225	Ω				·		
Operating Voltage [6]	±3 to ±11 VDC	±3 to ±11	VDC						
Operating Current (AOP &AON open), Max Power Supply Rejection Ratio	35 mA Dc >65 dB	35 >65	mA Dc dB			·		83	
	>05 UB	>00	uв					[21]	
						[10.5]			
						+		<u> </u>	
				Units on the line drawing are in inches. Refer to 127-7603D for more information.					
lls					-				
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