



Model Number 7603D4	PERFORMANCE SPECIFICATION TRIAXIAL VARIABLE CAPACITANCE ACCELEROMETER								DOC NO PS7603D4 REV C, ECN 13976, 01/19/18
				This family	also includes:				
				Model	Input Range (g)	Frequency response (Hz)	Sensitivity Differential, ±5% (mV/a)	Max.Shock (0.1ms)	Noise Differential (µg/vHz)
. I .	• VARIABLE CAPACITANCE TECHNOLOGY • DIFFERENTIAL MODE • HERMETICALLY SEALED			7603D1	±2	0-300	250	2000	7
				7603D2	±5	0-400	100	2000	12
				7603D3	±10	0-600	50	5000	18
1 Pm	DC RESPONSE			7603D5	±50	0-1200	10	5000	50
				7603D6	±100	0-1400	5	5000	100
				7603D7	±200	0-1750	2.5	5000	200
and the second s				7603D8	±400	0-2000	1.25	5000	400
					Refer to the performance specifications of the products in this family for detailed description.				
	ENGLISH	SI							
PHYSICAL			1	Supplied Ac		(100 1700)			
Weight, Max	1.3 oz	38	grams		d calibration certific				
Connector Type	9-pin, 5/16-32 UNEF-2A	9-pin, 5/16-32 UNEF-2A	-		stud, Model 6360,		•		
Material	Titanium Alloy	Titanium Alloy	-		stud, Model 6691,				
Sensing Technology	MEMS	MEMS		-	screws, Model 690				
					screws, Model 668		5mm, Qty. 2		
PERFORMANCE			1 .	Flat wash	ers, Model 6754, C	Qty. 2			
nput Range	±25 g	±245.3	m/s ²						
Frequency Response (3dB), Nom	0 - 900 Hz	0 - 900	Hz	Notes:					
Resonant Frequency	>3000 Hz	>3000	Hz	[1] Single en	ided sensitivity is h	alf of values show	wn. (Ref. at 100 Hz)		
Sensitivity Differential, ±5% [1]	20 mV/g	2	mV/m/s ²	[2] -90% to +	90% of Full Scale				
Output Noise, Differential ,Typ	25 μ g rms/V Hz	245	μm/s ² /vHz	[3] Over the	rated temperature	range.			
Non-Linearity, Max [2]			% F.S	[4] Bias voltage equal to (+v - (-v)) / 2					
Cross Axis Sensitivity, Max	3 %	3	%	[5] In the inte	erest of constant p	roduct improvem	ent, we reserve the ri	ght to change specifica	tions without notice.
ENVIRONMENTAL						- (34	4]		
Maximum Mechanical Shock (0.1 ms)	±5000 gpk	±49050	m/s ² peak			- F	.99		
Bias Temperature Shift ,Max [3]	51 51		(ppm of span)/°C	1 75 1 2X Ø 18 THRU					
Bias Calibration Error, Max	0.5 % of span 0.5 % of span								
Operating Temperature Range	-40 to +257 °F -40 to +125 °C								
Seal	Hermetic	Hermetic	. Ű			1	$ \langle \rangle $.99	
	Tieffield	Tiermetic	1			Ø.43 [10.9]		.75 [25] [19]	
ELECTRICAL		-	1		5/16-32 UNEF	24			
Output Common Mode Voltage, ± VDC	[4]	[4]	4		5/16-32 UNEF 9-PIN CONNE	CTOR-/	¥		
Output Impedance,Nom	1225 Ω	1225	Ω						
Operating Voltage	±3 to ±11 VDC	±3 to ±11	VDC						
Operating Current (AOP &AON open), Max	35 mA Dc	35	mA Dc			ſ			
Power Supply Rejection Ratio	>65 dB	>65	dB					83	
							-	[21]	
						.41			
						1	144.5	A LINE-2B	
	Units on the line drawing are in inches. Refer to 127-7603D for more information.								
		6 01211 D	010 700 7010	04.0 702	7000 1				
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