

Model Number 7600B5	PERFORMANCE SPECIFICATION			DOC NO PS7600B5
		VARIABLE CAPACITANCE ACCELEROMETER		REV C, ECN 7424, 03/25/11
This family also includes:				



PHYSICAL

- POWER SUPPLY IDENTICAL TO STRAIN GAGE SENSORS
- VARIABLE CAPACITANCE ACCELEROMETER
- DIFFERENTIAL MODE
- HERMETICALLY SEALED

ENGLISH

• DC RESPONSE

PHYSICAL					_
Weight, Max		0.1	oz	3.6	grams
Size	Length x Width x Height	.80 x .56 x .23	Inches	20.3 x 14.2 x 5.8	mm
Connector	Type	4-PIN, M4.5 x 0.35 THD		4-PIN, M4.5 x 0.35 THD	
Mounting		4-40 X 7/16 LG SHCS		4-40 X 7/16 LG SHCS	
Material		Ti-6AI-4V		Ti-6AI-4V	
PERFORMANCE					
Input Range		±100	g	±490	m/s ²
Frequency Response	e (±3dB)	0-2500	Hz	0-2500	Hz
Sensitivity Differentia	ıl, ±5% [1]	5	mV/g	0.5	mV/m/s ²
Output Noise, Differe	ential ,Typ	100	μ g rms/V Hz	981	μ m/s²/√ Hz
Non-Linearity, Max [2	2]	1	% F.S	1	% F.S
Sensitivity Change w	ith Excitation Voltage (6-22 Volts)	0.3	%	0.3	%
Cross Axis Sensitivity	у	< 3	%	< 3	%
ENVIRONMENTAL					
Maximum Mechanica	al Shock (0.1 ms)	2000	gpk	±19620	m/s² peak
Bias Temperature Sh	nift ,Max [3]	111	(ppm of span)/°F	200	(ppm of span)/°C
Sensitivity Temperate	ure Shift	277	ppm/°F	500	ppm/°C
Operating Temperatu	ıre Range	-40 to +176	°F	-40 to +80	°C
Seal		Hermetic]	Hermetic	
ELECTRICAL					
Output Common Mod	de Voltage ± VDC	[4]		[4]	
Output Impedence,N	om	1225	Ω	1225	Ω
Output impedence,iv			VDC	±3 to ±11	VDC
Operating Voltage		±3 to ±11	VDC	±3 t0 ±11	
	lax	±3 to ±11	mA Dc	13	mA Dc

This failing disc infordaces.						
Model	Input Range (g)	Frequency response (Hz)	Sensitivity Differential, ±15% (mV/g)	Max.Shock (0.1ms)	Noise Differential (μg/νHz)	
7600B1	±5	0-600	100	2000	9	
7600B2	±10	0-1000	50	2000	10	
7600B3	±25	0-1500	20	2000	25	
7600B4	±50	0-2000	10	2000	50	

2.5

2000

200

Please, refer to the performance specifications of the products in this family for detailed description

0-3000

Supplied Accessories:

1) Accredited calibration certificate (ISO 17025)

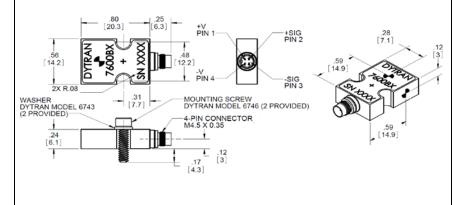
±200

- 2) Two mounting screws model # 6746
- 3) Two mounting washers model # 6743

Notes:

7600B6

- [1] Single ended sensitivity is half of values shown
- [2] -90% to +90% of Full Scale
- [3] Over the rated temperature range
- [4] Bias voltage equal to (+ v (-v)) / 2
- [5] Mating cable 6895A
- [6] In the interest of constant product improvement, we reserve the right to change specifications without notice.



Units on the line drawing are in inches. Refer to 127-7600B for more information.

