



Model Number 7613A1-XX										DOC NO PS7613A1-XX
										REV A, ECN 14343, 07/13/18
					This family	also includes:				
						Input Range (g)	Frequency Response (Hz)	Sensitivity Differential, ±5% (mV/g)	Max.Shock (0.1ms)	Noise Differential (µg/vHz)
	 VARIABLE CAPAC 	• VARIABLE CAPACITANCE TECHNOLOGY • DIFFERENTIAL MODE • HERMETICALLY SEALED				±5	0-400	100	2000	12
	DIFFERENTIAL M					±10	0-600	50	5000	18
	HERMETICALLY S					±25	0-900	20	5000	25
	• DC RESPONSE				7613A5-XX	±50	0-1200	10	5000	50
					7613A6-XX	±100	0-1400	5	5000	100
	8				7613A7-XX	±200 ±400	0-1750 0-2000	2.5 1.25	5000 5000	200
						7613A8-XX ±400 0-2000 1.25 5000 400				
					Refer to the performance specifications of the products in this family for detailed description.					
	ENGLIS	ENGLISH SI								
PHYSICAL	ENGEN		01		Supplied Ac	cossorios.				
Weight, Max (Less Cable)	1.6	oz	45	grams		d calibration certifi	cate (ISO 17025)			
ntegral Cable [1]	Flying leads		45 Flying leads	grams		stud, Model 6360,		Oty 1		
Material	Titanium Alloy	1	Titanium Alloy	-		stud, Model 6560, stud, Model 6691,		•		
Sensing Technology	MEMS		MEMS	_		screws, Model 69				
Sensing recimology	WEW3		MENIS			screws, Model 668				
PERFORMANCE								Smin, Qty. 2		
PERFORMANCE nput Range	.0	۱.	.10.0	m/s ²	b) Flat washe	ers, Model 6754, 0	, k (y. ∠			
	<u>+2</u> 0-300	g	±19.6 0-300							
Frequency Response, ±3dB		Hz		Hz	Notes:					
Resonant Frequency	>3000 Hz >3000 Hz [1] 12-conductor, 26AWG, White FEP Jacket 250 mV/q 25 mV/m/s ² [2] Single ended sensitivity is half of values shown. (Ref. at 100 Hz)									
Sensitivity Differential, ±5% [2]	250	mV/g	25		[2] Single ended sensitivity is half of values shown. (Ref. at 100 Hz)					
Output Noise, Differential ,Typ	7	μg rms/V Hz	69	μm/s ² /V Hz	[3] -90% to +90% of Full Scale.					
Non-Linearity, Max [3]	0.5	% F.S	0.5	% F.S		rated temperature				
Cross Axis Sensitivity, Max	3	%	3	%	[5] In the inte	erest of constant p	roduct improvem	ent, we reserve the r	ight to change specifica	tions without notice.
ENVIRONMENTAL		_								
Maximum Mechanical Shock (0.1 ms)	±2000	gpk	±19620	m/s ² peak		-	.99		∕xx	-
Bias Temperature Shift ,Max [4]	111	(ppm of span)/°F	200	(ppm of span)/°C			[20]			
Bias Calibration Error, Max	4	% of span	4	% of span		i	48			
Operating Temperature Range	-40 to +250	°F	-40 to +121	°C			19]	Ø.60		
Seal	Hermetic		Hermetic		•			[15.2]		
					.99 [25]	.748	\mathbf{z}	\sim	······	
ELECTRICAL		-		-		[19]			المحر (بسط	
Output Common Mode Voltage, Typ	2.5	VDC	2.5	VDC					<u> </u>	ABLE, 12-CONDUCTOR,
Output Impedance, Nom	1225	Ω	1225	Ω	+	<u>y</u>	<u> </u>	· /		EP JACKET
Operating Voltage	±3 to ±11	VDC	±3 to ±11	VDC	2X Ø.175 TH			Ø.047[1.19]	HEATSHRINK	
Operating Current, Max. (Each Axis)	13	mA DC	13	mA DC	[4.45]		i i	OCKWIRE HOLE		
Power Supply Rejection Ratio	>65	dB	>65	dB	-					
					-	83 21]			.41 [10.5]	
					Units on the line d	Irawing are in inches. Ref	er to 127-7613AX-XX fo	r more information.		

INSTRUMENTS, INC.

For permission to reprint this content, please contact info@dytran.com