

		PERFORMANCE SPECIFICATION								
	VARIABLE CAPACITANCE ACCELEROMETER									REV B, ECN 15261, 08/01/19
		VARIABLE CAPACITANCE ACCELEROMETER				also includes:	•			
• Othran	• VARIABLE CAPA					Input Range (g)	Frequency Response (Hz) (±3dB)	Differential, ±10% (mV/g)	Max.Shock (gpk)	Noise Differential (µg rms/√Hz)
Pan	DIFFERENTIAL N	IODE			7577A1	±2	0-1150	2,000	6000	8
SIN ++++++	HERMETICALLY	• HERMETICALLY SEALED • DC RESPONSE • HIGH SHOCK SURVIVAL • EXTENDED FREQUENCY RESPONSE				± 5	0-1900	800	6000	17
	DC RESPONSE					± 10	0-3200	400	6000	34
Mage Riller	 HIGH SHOCK SU 					± 50	0-4500	80	6000	170
A	• EXTENDED FREC					± 100	0-5000	40	6000	339
						± 200	0-7000	20	6000	678
						performance speci	ifications of the pr	oducts in this family f	or detailed description.	
	ENGL	ENGLISH SI			Supplied Accessories: 1) Accredited calibration certificate (ISO 17025)					
(SICAL					2) Two mounting screws of each: Model 6688 (M3.5) and Model 6868 (4-40)					
ght, Max	0.60	oz	17	grams	Notes:	any screws or cat			(++0)	
nector Type	4-Pin, 1/4-28 UNF-2A		4-Pin, 1/4-28 UNF-2A	grams		ded sensitivity is h	olf of voluce abou	10		
Intector Type Inting Thru Hole	,		2 X Ø3.23mm			rated temperature		/1 .		
erial	Titanium Alloy	-	Titanium Alloy			•		nt wa raaanya tha ria	ht to change an esificat	iono without notice
ena	Titanium Alloy		Titanium Alloy						ht to change specificat with the properties desc	
										and / or specifications m
FORMANCE				(-2	vary in differ	ent applications an	d performance m	ay vary overtime. All	operating parameters, i	including typical paramete
It Range	±30	g	±294.2	m/s ²	must be valie	dated for each cus	tomer application	by the customer's teo	chnical experts.	
quency Response (±5%)	0 - 2075	Hz	0 - 2075	Hz						
quency Response (±3dB)	0 -4000	Hz	0 -4000	Hz		10	ТҮРІ	CAL FREQUENCY R	ESPONSE	
onant Frequency	>4200	Hz	>4200	Hz						
sitivity Differential, ±10% [1]	133	mV/g	13.6	mV/m/s ²		%				
put Noise, Differential, Typ. -Linearity, Max.	102	µgrms/√Hz	1001	µm/s²/√Hz		Deviation (%) -0 0 0-10				
sverse Sensitivity, Max.	0.5	% F.S.	0.5	% F.S.		-10 -10				
isverse censitivity, max.	3	%	3	%						
/IRONMENTAL						20 Sensitivity 20 Sensitivity 20 Sensitivity				
	0000		50040	m/s ² peak		S -20				
timum Mechanical Shock	6000	gpk °F	58840	•		-30				
rating Temperature Range	-67 to +257		-55 to +125	°C		-30	1000	2000	3000	4000
le Factor Temperature Coefficient [2]	-11 to +122	ppm/°F	-20 to +220	ppm/°C				Frequency (Hz)		
1	Hermetic		Hermetic				1.5	1.00		
CTRICAL							-	1.00	.31	
out Common Mode Voltage	2.45 - 2.65	VDC	2.45 - 2.65	VDC				.825	5a	
Calibration Error	0.1	g	0.01	m/s ²		+				
put Impedance, Nom.	1	Ω	1	Ω) 🕅	1000	
erating Voltage	+6 to +14	VDC	+6 to +14	VDC		1.00 [25.4]				
erating Current (AOP & AON open)	3 to 6	mA DC	3 to 6	mA DC		[25.4]	5		1/4-28 4 PIN CC	NINECTOR
ver Supply Rejection Ratio	>65	dB	>65	dB			T		1/4-28 4 PIN CC	ANDEGION
und Isolation	>30	MΩ	>30	MΩ					2X Ø.127 THRU	
m Up Time	<0.5	sec	<0.5	sec			.50		[3.23]	
rload Recovery	<200	µsec	<200	µsec		,)		
							33		0000	
							.33 [8.4]			
					1		1	نىز	····	

INSTRUMENTS, INC.

21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.700.7880 www.dytran.com For permission to reprint this content, please contact info@dytran.com

Units on the line drawing are in inches, dimensions in brackets [] are in millimeters. Refer to 127-7577A for more information.