

Model Number		PERFORMANCE SPECIFICATION								
7576A3	6DOF VIBRATION SENSOR									PS7576A3
	6DOF VIBRATIO					also includes:	l			REV C, ECN 14974, 03/25/19
-					Model	Input Range (EU) Accel/Gyro	Frequency response (Hz) Accel./Gyro	sensitivity , ±10% (mV/EU) Accel/Gyro	Max.Shock (0.1ms), g	Noise (EU//Hz) Accel./Gyro
In TRA	VARIABLE CAPAC	TANCE TECHN	OLOGY		7576A1	±5 / ±50	0-1300 / 1-1000	470 / 25	6000	0.000019/0.04
1576AX	• 6 DEGREES OF FR	EEDOM MEASU	REMENTS		7576A2	±10/±150	0-2500 / 1-3000	235 / 12.5	6000	0.00004 / 0.04
AZ SIN XXX	HERMETICALLY SE	ALED			7576A4	±200 / ±20000	0-3000 / 0-2000	11.75/ 0.1	6000	0.0009 / 0.25
AVG CX	• DC RESPONSE • INTERNATIONAL T	• DC RESPONSE • INTERNATIONAL TRAFFIC IN ARMS REGULATION (ITAR) FREE				$7576A5$ $\pm 2 / \pm 50$ $0.1150 / 1.1000$ $1175 / 25$ 6000 0.000 Refer to the performance specifications of the products in this family for detailed description.				
	ENGLISI	ENGLISH SI			Supplied Accessories:					
HYSICAL					1) Accredited calibration certificate (ISO 17025)					
/eight, Max	1.9	oz	55	grams	2) Mounting	screw model 6753	s, 8-32 UNF-2A, qty	2		
onnector Type	5/16-32 UNEF-2A		5/16-32 UNEF-2A		3) Mounting	washer model 675	54, qty 2			
laterial	Ti-6AI-4V									
					Notes:					
CCELEROMETER PERFORMANCE			<u>.</u>	_	[1] Measured	d using Earth grav	ity			
put Range	±30	g	±294	m/s ²	[2] Best fit ze	ro based line met	hod			
requency Response (±5%)	0-1000	Hz	0-1000	Hz	[3] Over the	rated temperature	range.			
requency Response (±3dB)	0-3000	Hz	0-3000	Hz	[4] In the interest of constant product improvement, we reserve the right to change specification					ns without notice.
cale Factor, Nom. [1]	78.33	mV/g	8.0	mV/m/s ²	It is the customer's responsibility to validate that a particular product with the properties described in th					ed in the product
utput Noise, Typ.	0.000089	g rms/√ Hz	0.0009	m/s² /√ Hz	specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications					
on-Linearity, Typ. [2]	0.2	% F.S	0.2	% F.S	may vary in different applications and performance over time. All operating parameters, including typical parameters,					
emperature Range	-67 to 257	°F	-55 to 125	°C	must be valid	dated for each cus	tomer application I	by the customer's tech	nnical experts.	
cale Factor Temperature Coefficient [3]	67	ppm/°F	120	ppm/°C						
xis misalignment, Max.	10	mrad	10	mrad				1.42		
hock Survivability	6000	g	58860	m/s ²				36.1		
lesonant Frequency	>5	kHz	>5	kHz					2X Ø.175[4.45] THRU	
cross Axis Sensitivity, Max.	5	%	5	%		1.05	.75		•	
nput Range requency Response	±250 0.01-2500 7.0	°/sec Hz mV/°/sec	±250 0.01-2500 7.0	°/sec Hz mV/°/sec		[26.7]			53 3.3]	
ensitivity ±10% [1] ate noise density, Typ.	0.06	(°/sec)/v Hz	0.06	(°/sec)/V Hz						
on-Linearity, Typ [2]	0.2	% F.S	0.2	% F.S	1		1.0	5		
emperature Range	-40 to 221	°F	-40 to 105	°C			[26.]	7		
esonant Frequency	5.7	kHz	5.7	kHz						
ross Axis Sensitivity, Max.	5	%	5	%		-			16-32 UNEF-2A PIN CONNECTOR	
utput Impedance,Nom	2	Ω	2	Ω	1				IN CONNECTOR	
perating Voltage	6 to 14	VDC	6 to 14	VDC	1	1.05			•	
utput Bias Voltage ±0.5 VDC	2.5	VDC	2.5	VDC	1	[26.7])	.53	
perating Current Typi		mA DC	23	mA DC	1			/∟"	.53 [13.3]	
Ma		mA DC	28	mA DC	1	+	╵└═──		-	
ower Supply Rejection Ratio	>65	dB	>65	dB		(.17 [4.3])			1	
NVIRONMENTAL				-	1	/				
Storage Temperature	-67 to 257	°F	-55 to 125	°C						
Seal	Hermetic		Hermetic		Units on the line d	Irawing are in inches. Ref	er to 127-7576A1 for more	information.		
NTRAK			alifornia 91311 Phon nt, please contact info		Fax:818.70	0.7880 www.d	ytran.com			