

Model Number 3305A3			PERF	ORMAN	CE SPEC	IFICATION			DOC NO PS3305A3
			SINGLE AXIS	S IEPE PLAN	AR SHEAR AG	CELEROMETERS			REV A, ECN 6692, 11/19/10
			4		This family a	Ilso includes:			
					Model	Sensitivity (mV/g)	Range F.S ± 5 Volts (G's)	Max Vibration/Shock(± Gpeak)	Resonant Frequency (kl
		• MINIATURE SIZE • HERMETICALLY SEALED • EXCELLENT LINEARITY			3305A1	10	±500	600/5000	> 35
					3305A1	100	±50	400/5000	> 35
					3305A2	100	±00	400/3000	~ 35
						Refer to the performance specifications of the products in this family for detailed description Supplied Accessories: 1) Accredited calibration certificate (ISO 17025) Notes:			
	ENGLISH	ENGLISH		SI		at 100Hz, 1 Grms per ISA RP 3	37.2		
PHYSICAL						ising zero-based straight line r		er range	
Veight	0.13	oz	3.7	grams				To do so will destroy the IC charge	amplifier
	H x L .40 x .32 x .70	Inches	10 x 8.1x 17.8	mm				change the specification without	
Connector Type	e 10-32 Coaxial		10-32 Coaxial]					
Nounting Provision	Adhesive		Adhesive	Ι	10	TYPICAL LOW FREQUENCY RESPON		TYPICAL TEMPERATURE	RESPONSE
Naterial : Base, Cap and Connector	Titanium		Titanium	I					
Element Style Mate	erial Ceramic		Ceramic	I	5		<u> </u>	20	
Туре	Planar Shear		Planar Shear		(%) N		EBSITIVITY DEVIATION (%)	0	
ERFORMANCE					(MTION (%)		DEVIA		
Sensitivity, ±5% [1]	500	mV/g	51.02	mV/m/s ²	-5 DE		È	0	
Range F.S for ± 5 Volts Output	±10	G's	±98	m/s ²				10	
requency Response, ±5%	0.3 to 5000	Hz	0.3 to 5000	Hz	LLS -10				
±15%	0.15 to 10,000	Hz	0.15 to 10,000	Hz	-15		-4	20	
Resonant Frequency, Nominal	40	kHz	40	kHz					
Equivalent Electrical Noise Floor	0.0002	Grms	0.002	m/s ² rms	-20			-60 -18 24	66 108 15
inearity [2]	± 1%	% F.S.	± 1%	% F.S.	0.1	1 10 FERQUENCY (HZ)	100	TEMPERATURE (*F)	
Phase Response (±5°)	5 to 3000	Hz	5 to 3000	Hz		FERQUENCY (HZ)			
Aaximum Transverse sensitivity	5	%	5	%					
Strain Sensitivity	0.04	g/μσ	0.39	m/s²/μσ					
INVIRONMENTAL	·			•		.40	_ _		
Aaximum Vibration	±200	Gpeak	±1962	m/s ² peak		[10.2]		[]	
laximum Shock	±5000	Gpeak	±49050	m/s² peak				TD/	_
emperature Range	-60 to+150	۴F	-51 to+65	°C					
Seal, Hermetic	Glass-to-metal/Welded		Glass-to-metal/Welded	1		3305AX	.32 [8.1]		
									.17
ELECTRICAL Supply Current Range [3]	2 to 20	mA	2 to 20	mA					 [4.3]
compliance Voltage Range	+ 18 to +30	Volts	+18 to +30	Volts		ча			i
Dutput Impedence, Typ	100	Ω	100	Ω					T
ias Voltage	+11 to +13	VDC	+11 to +13	VDC					
vischarge Time Constant, Nom	1.5 to 2.5	Sec	1.5 to 2.5	Sec					
Dutput Signal Polarity for Acceleration T		2.50	Positive						
-				-					
					Units on the line d	irawing are in inches, units in brackets a	are in millimeters. Refer to 127-3305A for	or more information.	



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