

MODEL 6200 MOUNTING STUD, PROVIDED

MOUNTING SURFACE HOLE PREPARATION:
SELECT SURFACE FLAT TO .001 TIR
TAP 10-32 UNF-2B X .200 MIN THD DEPTH

MODEL	REV	ECN	DATE	SENSITIVITY
3255A1	A	4535	2/5/2007	10 mV/g
3255A2	A	4535	2/5/2007	100 mV/g
3255A3	A	4535	2/5/2007	500 mV/g
3255A4	A	4535	2/5/2007	50 mV/g
3255A5	A	4535	2/5/2007	20 mV/g
3255A6	A	4535	2/5/2007	200mV/g


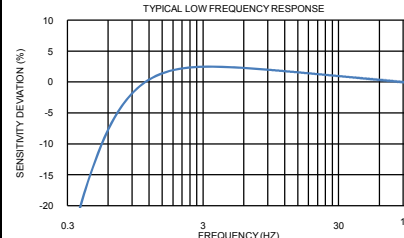
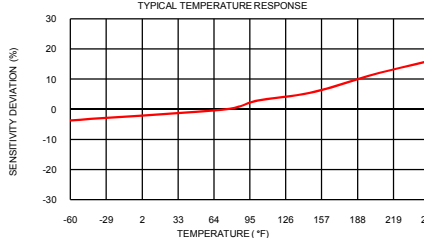
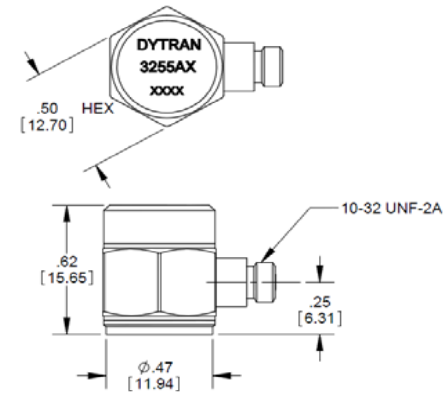

DYTRAN MASTER

INSTRUMENTS, INC.

ONLY IF IN RED

CHATSWORTH, CA

SCALE 2:1	REV -	DATE 2/5/2007	ECN SEE CHART	DATE 2/5/2007	PART NO. SERIES 3255A
DRAWN R.A.	CHECKED C.C.	MATERIAL TITANIUM ALLOY			
APPROVED C.C.	NEXT ASSEMBLY			USED ON	
TITLE OUTLINE / INSTALLATION DRAWING 3255A SERIES ACCELEROMETER					DWG NO. 127-3255A
					SHEET 1 OF 1

Model Number 3255A3		PERFORMANCE SPECIFICATIONS				DOC NO PS3255A3																																
		IEPE ACCELEROMETER				REV A, ECN 7169,11/16/10																																
		<ul style="list-style-type: none">• HERMETICALLY SEALED• IDEAL LOW FREQUENCY RESPONSE				This family also includes: <table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Frequency Response, ±5 % (Hz)</th><th>Time Constant (Sec)</th><th>Operating Temp (°F)</th></tr><tr><td>3225A1</td><td>10</td><td>1 to 10000</td><td>0.5 to 0.8</td><td>-60 to +250</td></tr><tr><td>3225A2</td><td>100</td><td>1 to 10000</td><td>0.5 to 0.8</td><td>-60 to +250</td></tr><tr><td>3225A4</td><td>50</td><td>1 to 10000</td><td>0.5 to 0.8</td><td>-60 to +250</td></tr><tr><td>3225A6</td><td>200</td><td>1 to 10000</td><td>0.5 to 0.8</td><td>-60 to +250</td></tr></table>		Model	Sensitivity (mV/g)	Frequency Response, ±5 % (Hz)	Time Constant (Sec)	Operating Temp (°F)	3225A1	10	1 to 10000	0.5 to 0.8	-60 to +250	3225A2	100	1 to 10000	0.5 to 0.8	-60 to +250	3225A4	50	1 to 10000	0.5 to 0.8	-60 to +250	3225A6	200	1 to 10000	0.5 to 0.8	-60 to +250						
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Refer to the performance specifications of the products in this family for detailed description																																						
Supplied Accessories: 1) Accredited calibration certificate (ISO 17025) 2) Model 6200 mounting stud, qty 1																																						
Notes: [1] Measured at 100Hz, 1 Grms per ISA RP 37.2. [2] Measure using zero-based straight line method, % of F.S. or any lesser range. [3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier. [4] In the interest of constant product improvement, we reserve the right to change specifications without notice.																																						
PHYSICAL Weight Connector Mounting Provision Material, Housing/Connector Sensing Element Element Style		Type Tapped Hole	<table><tr><th colspan="2">ENGLISH</th><th colspan="2">SI</th></tr><tr><td>0.35</td><td>oz</td><td>10.0</td><td>grams</td></tr><tr><td>10-32</td><td></td><td>10-32</td><td></td></tr><tr><td>10-32 X .150 DEEP</td><td></td><td>10-32 X .150 DEEP</td><td></td></tr><tr><td>Titanium</td><td></td><td>Titanium</td><td></td></tr><tr><td>Ceramic</td><td></td><td>Ceramic</td><td></td></tr><tr><td>Planar Shear</td><td></td><td>Planar Shear</td><td></td></tr></table>		ENGLISH		SI		0.35	oz	10.0	grams	10-32		10-32		10-32 X .150 DEEP		10-32 X .150 DEEP		Titanium		Titanium		Ceramic		Ceramic		Planar Shear		Planar Shear							
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PERFORMANCE Sensitivity, ± 5% [1] Range for ± 5 Volts Output Frequency Response, ± 5% Resonant Frequency Broad Band Resolution Linearity [2] Maximum Transverse sensitivity Strain Sensitivity @ 250µε			<table><tr><td>500</td><td>mV/g</td><td>51</td><td>mV/m/s²</td></tr><tr><td>± 10</td><td>g</td><td>± 98.1</td><td>m/s²</td></tr><tr><td>1 to 10000</td><td>Hz</td><td>1 to 10000</td><td>Hz</td></tr><tr><td>> 35</td><td>kHz</td><td>> 35</td><td>kHz</td></tr><tr><td>0.0002</td><td>Grms</td><td>0.002</td><td>m/s² rms</td></tr><tr><td>± 2</td><td>% F.S.</td><td>± 2</td><td>% F.S.</td></tr><tr><td>5</td><td>%</td><td>5</td><td>%</td></tr><tr><td>0.002</td><td>g/µε</td><td>0.02</td><td>m/s²/µε</td></tr></table>		500	mV/g	51	mV/m/s ²	± 10	g	± 98.1	m/s ²	1 to 10000	Hz	1 to 10000	Hz	> 35	kHz	> 35	kHz	0.0002	Grms	0.002	m/s ² rms	± 2	% F.S.	± 2	% F.S.	5	%	5	%	0.002	g/µε	0.02	m/s ² /µε		
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ENVIRONMENTAL Maximum Vibration Maximum Shock Temperature Range Seal			<table><tr><td>200</td><td>Gpeak</td><td>1962</td><td>m/s² peak</td></tr><tr><td>1000</td><td>Gpeak</td><td>9810</td><td>m/s² peak</td></tr><tr><td>-60 to +250</td><td>°F</td><td>-51 to 121</td><td>°C</td></tr><tr><td>Hermetic</td><td></td><td>Hermetic</td><td></td></tr></table>		200	Gpeak	1962	m/s ² peak	1000	Gpeak	9810	m/s ² peak	-60 to +250	°F	-51 to 121	°C	Hermetic		Hermetic																			
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ELECTRICAL Supply Current Range [3] Compliance Voltage Range Output Impedence, Typ Bias Voltage Discharge Time Constant			<table><tr><td>2 to 20</td><td>mA</td><td>2 to 20</td><td>mA</td></tr><tr><td>18 to +30</td><td>Volts</td><td>18 to +30</td><td>Volts</td></tr><tr><td>100</td><td>Ω</td><td>100</td><td>Ω</td></tr><tr><td>11 to 13</td><td>VDC</td><td>11 to 13</td><td>VDC</td></tr><tr><td>0.5 to 0.8</td><td>Sec</td><td>0.5 to 0.8</td><td>Sec</td></tr></table>		2 to 20	mA	2 to 20	mA	18 to +30	Volts	18 to +30	Volts	100	Ω	100	Ω	11 to 13	VDC	11 to 13	VDC	0.5 to 0.8	Sec	0.5 to 0.8	Sec														
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		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3255A1 for more information.																																				
																																						
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