

PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	8234	SEE ECN	JS 01/11/12	<i>RA</i>	<i>JW</i>

3X ϕ .17 THRU
[4.3]

ϕ 1.188
[30.2]

1.66
[42.1]

6535, 8-32 UNC-2A
MOUNTING SCREW,
3 SCREWS SUPPLIED

ϕ .88
[22.5]

.035
.031 KEY

PIN B
(-) OUT

.250
[6.35]

PIN A
(+) OUT

.37
[9.5]

1.03
[26.2]

.13
[3.3]

1.329
[33.75]

MOUNTING RECOMMENDATIONS: PREPARE SURFACE AT LEAST ϕ 1.25[31.75], .0001TIR. TAP THREE HOLES ON ϕ 1.188 [30.2] EQUALLY SPACED AT LEAST ∇ .260[6.60]. RECOMMENDED MOUNTING TORQUE 12 LB-IN.

- 6. WEIGHT: 75 GRAMS
- 5. MAXIMUM OPERATING TEMPERATURE: 600 °F
- 4. SENSITIVITY: 10pC/g
- 3. CASE MATERIAL: 304L

ARROW INDICATES ACCELERATION DIRECTION FOR POSITIVE OUTPUT.

MATES WITH GLENAIR G345-1 PLUG

NOTES: UNLESS OTHERWISE SPECIFIED

CONTRACT NO.



MASTER ONLY IF IN RED
Chatsworth, CA

TITLE: **OUTLINE/INSTALLATION DRAWING 3085C**

UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M - 1994. REMOVE BURRS. COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA. CHAM EXT THDS 45° TO MINOR DIA. THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS. THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING.		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS. TOLERANCES ARE: DECIMALS ANGLES INCH METRIC $\pm 1^\circ$.XX \pm .03 .X \pm 0.8 .XXX \pm .010 .XX \pm 0.25	
USED ON	NEXT ASSY	MATERIAL	FINISH
APPLICATION		DO NOT SCALE DRAWING	
THIRD ANGLE PROJECTION USA		ALL MACHINED SURFACES. TOTAL RUNOUT WITHIN .005. BREAK SHARP EDGES .005 TO .010. MACHINED FILLET RADII .005 TO .015. WELDING SYMBOLS PER AWS A2.4. ABBREVIATIONS PER MIL-STD-12	

APPROVALS		DATE
ORIG	<i>RA</i>	12/20/06
CHK	CES	01/24/07
APP	CES	01/24/07
APP		

SIZE A	CAGE CODE 2W033	DWG. NO. 127-3085C	REV B
SCALE: 1:1		SOLIDWORKS	SHEET 1 OF 1



SPECIFICATIONS, MODEL 3085C CHARGE MODE ACCELEROMETER

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT	75	grams
SIZE , FLANGE X HEIGHT X LENGTH	1.448 FLANGE. DIA x .80 x 2.10	inch
MOUNTING PROVISION	3-BOLT PATTERN, 1.188 DIA BOLT CIRCLE	
CONNECTOR, SIDE MOUNTED	2-PIN, 7/16-27 UNS-2A SHELL	
CASE /CONNECTOR MATERIAL	304L	
PERFORMANCE		
SENSITIVITY, ± 2.0 (NOM)	10	pC/g
RANGE F.S.	500	g's
FREQUENCY RESPONSE, +/- 5%	[1] to 2500	Hz
MOUNTED RESONANT FREQUENCY, NOM.	13	kHz
AMPLITUDE NON-LINEARITY (ZERO BASED BEST FIT ST.LINE METHOD)	2.0	% F.S., MAX.
TRANSVERSE SENSITIVITY, MAX.	5	%
STRAIN SENSITIVITY @ 250/με	.012	g/με
ENVIRONMENTAL		
MAXIMUM VIBRATION	±1000	g,
MAXIMUM SHOCK	2000	g pk
TEMPERATURE RANGE	-65 TO +600	°F
THERMAL SENSITIVITY COEFFICIENT	<.005	%/°F
SEAL	WELDED/CERAMIC TO METAL HERMETIC	
ELECTRICAL		
CAPACITANCE, ±20%. PIN A-B	380	pF
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP	SEE INSTALLATION DRAWING	
CAPACITIVE MISMATCH, DIFFERENCE FROM EACH PIN TO HOUSING	2 MAX	pF

NOTES:

[1] LOW FREQUENCY RESPONSE IS A FUNCTION OF THE CHARGE AMPLIFIER DISCHARGE TIME CONSTANT.

SUPPLIED ACCESSORIES:

(3) MOUNTING SCREW, MODEL 6535 (8-32 UNC X 0.5 inch socket head cap screws).