



4. HOUSING MATERIAL: INCONEL 600
3. MAXIMUM TEMPERATURE: 500°F
2. SENSITIVITY: 10 pC/g
1. WEIGHT: 75 GRAMS

EXCEPT AS OTHERWISE NOTED

ALL DIMENSIONS IN INCHES  
 TOLERANCE: XXX =  $\pm .005$  .XX =  $\pm .01$

SURFACE FINISH  
 EXCEPT AS NOTED 63/ ✓

BREAK EDGES TO DEBURR .005 / .015  
 RADIUS OR CHAMFER

FILLETS: .005 MAX R

<b>DYTRAN MASTER</b>				CHATSORTH, CA	
INSTRUMENTS, INC.				ONLY IF IN RED	
SCALE	3:2	REV	A	DATE	1/24/07
DATE	12/20/2006	PART NO.		ECN	4531
DRAWN	CES	CHECKED		MATERIAL	
APPROVED	CES	NEXT ASSEMBLY		USED ON	
TITLE				DWG NO.	
OUTLINE / INSTALLATION DRAWING				127-3085C	
3085C DIFFERENTIAL ACCELEROMETER				SHEET 1 OF 1	



**SPECIFICATIONS, MODEL 3085C CHARGE MODE ACCELEROMETER**

<b>SPECIFICATION</b>	<b>VALUE</b>	<b>UNITS</b>
<b>PHYSICAL</b>		
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	INCONEL	
<b>PERFORMANCE</b>		
SENSITIVITY, $\pm 2.0$ (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/ $\mu\epsilon$	.012	g/ $\mu\epsilon$
<b>ENVIRONMENTAL</b>		
MAXIMUM VIBRATION	$\pm 1000$	g,
MAXIMUM SHOCK	2000	g pk
TEMPERATURE RANGE	-65 TO +600	$^{\circ}$ F
THERMAL SENSITIVITY COEFFICIENT	<.005	%/ $^{\circ}$ F
SEAL	WELDED/CERAMIC TO METAL HERMETIC	
<b>ELECTRICAL</b>		
CAPACITANCE, $\pm 20\%$ . 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).