



ALL PART NUMBER LETTERSUFFIXES ARE TO BE INTERPRETED AS FOLLOWS:
 I.E. - 107-0000-01 (X)
 M - MACHINED ONLY (UNPLATED) G - MATERIAL HAS BEEN GRAINED
 P - PLATED/PAINTED S - MATERIAL HAS BEEN SAWCUT
 H - HEAT TREATED E - ENVIRONMENTAL TEST

EXCEPT AS OTHERWISE NOTED
 ALL DIMENSIONS IN INCHES
 TOLERANCE: .XXX = ± .XX = ± .01
 SURFACE FINISH ✓
 EXCEPT AS NOTED
 BREAK EDGES TO DEBURR
 RADIUS OR CHAMFER
 THESE DIAS Ⓞ TO T.I.R.
 FILLETS - MAX RAD.

		CHATSWORTH, CA.						
		SCALE	2X	REV	-	DATE	-	ECN
DATE		5/10/96		PART NO.				
DRAWN		N.C.		CHECKED		D.Z.		MAT'L
APPROVED		NEXT ASSEMBLY			USED ON		4705A	
TITLE						DWG NO.		
OUTLINE/INSTALLATION DRAWING, SERIES 4705A						127-4705A		
						SHEET 1 OF 1		



SPECIFICATIONS SERIES 4705A

IN-LINE MINIATURE CHARGE AMPLIFIERS

MODEL	RANGE FOR +/- 5 V OUT (+/- pC)	SENSITIVITY (mV/pC, +10%/-0)	FEEDBACK CAPACITOR (pF, NOMINAL)
4705A1	100	50	50
4705A2	500	10	100
4705A3	5000	1	1000
4705A4	50,000	0.1	10,000

COMMON SPECIFICATIONS

SPECIFICATION	VALUE	UNITS
DISCHARGE TIME CONSTANT	0.1	SEC
LOW FREQUENCY RESPONSE, -3db/-5%	1.6/4.8	Hz
HIGH FREQUENCY RESPONSE, -3db/-5%	2000/660	Hz
OUTPUT BIAS VOLTAGE, +/- 1 V	11	VDC
OUTPUT IMPEDANCE, NOM.	100	OHMS
TEMPERATURE RANGE	-50 to +185	°F
THERMAL COEFFICIENT OF SENSITIVITY	.02	%/°F
SUPPLY CURRENT RANGE	2 to 20	mA
SUPPLY (COMPLIANCE) VOLTAGE RANGE	+18 to +30	VDC
SIZE, DIA x LENGTH	0.50 x 3.15	INCHES
WEIGHT	33	GRAMS
INPUT and SIG/PWR CONNECTORS	BNC JACK	COAXIAL
ENVIRONMENTAL SEAL	EPOXY	