



ALL PART NUMBER LETTER SUFFIXES ARE TO BE INTERPRETED AS FOLLOWS:

I.E. - 107-0000-01 (X)

M - MACHINED ONLY (UNPLATED)
 P - PLATED/PAINTED
 H - HEAT TREATED

G - MATERIAL HAS BEEN GRAINED
 S - MATERIAL HAS BEEN SAWCUT
 E - ENVIRONMENTAL TEST

EXCEPT AS OTHERWISE NOTED

ALL DIMENSIONS IN INCHES
 TOLERANCE: .XXX = ± .XX = ±

SURFACE FINISH
 EXCEPT AS NOTED ✓

BREAK EDGES TO DEBURR
 RADIUS OR CHAMFER

△ THESE DIAS ⊙ TO T.I.R.

FILLETS - MAX RAD.

		MASTER ONLY IF IN RED		CHATSWORTH, CA.	
SCALE	2X	REV	-	DATE	-
DATE	5/15/95	PART NO.			
DRAWN	D.Z.	CHECKED	-	MAT'L	-
APPROVED	<i>Cha</i>	NEXT ASSEMBLY	USED ON		4705M4, M11, M22
TITLE				DWG NO.	
OUTLINE/INSTALLATION DRAWING, MODELS 4705M4, 4705M11 & 4705M22				127-4705M4	
				SHEET 1 OF 1	



SPECIFICATIONS SERIES 4705M4 and M5

IN-LINE MINIATURE CHARGE AMPLIFIERS

MODEL	RANGE FOR +/- 5 V OUT (+/- pC)	SENSITIVITY (mV/pC, +10%/0)	MINIMAL SENSOR INSULATION RESISTANCE (ohms, Ω)	FEEDBACK CAPACITOR (pF, NOMINAL)
4705M4	500	10	200M	100
4705M5	5000	1	2M	1000

COMMON SPECIFICATIONS

SPECIFICATION	VALUE	UNITS
DISCHARGE TIME CONSTANT	0.5	SEC
LOW FREQUENCY RESPONSE, -3db/-5%	.32/.96	Hz
HIGH FREQUENCY RESPONSE	DEPENDS UPON DRIVE CURRENT AND CABLE LENGTH	
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 2.56	INCHES
WEIGHT	33	GRAMS
INPUT CONNECTOR	10-32 JACK	COAXIAL
SIG/PWR (OUTPUT) CONNECTOR	BNC JACK	COAXIAL
ENVIRONMENTAL SEAL	EPOXY	