



ALL PART NUMBER LETTER SUFFIXES 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 = ±

SURFACE FINISH EXCEPT AS NOTED ✓

BREAK EDGES TO DEBURR RADIUS OR CHAMFER

△ THESE DIAS ○ TO T.I.R.

FILLETES - 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			NEXT ASSEMBLY	USED ON	4705M4, M11, M22
TITLE OUTLINE/INSTALLATION DRAWING, MODELS 4705M4, 4705M11 & 4705M22				DWG NO. 127-4705M4	
				SHEET 1 OF 1	



SPECIFICATIONS MODEL 4705M22

IN-LINE MINIATURE CHARGE AMPLIFIER

SPECIFICATION	VALUE	UNITS
SENSITIVITY	0.5	mV/pC
RANGE FOR ± 5 VOLTS OUT	10,000	pC
DISCHARGE TIME CONSTANT	0.5	SEC
LOW FREQUENCY RESPONSE, -3db	.32	Hz
-5%	.96	Hz
HIGH FREQUENCY RESPONSE	DEPENDS UPON DRIVE CURRENT AND CABLE LENGTH	
MINIMAL INSULATION RESISTANCE OF SENSOR	1.5	M Ω
OUTPUT BIAS VOLTAGE, ± 1 V	10	VDC
OUTPUT IMPEDANCE, NOM.	100	OHMS
TEMPERATURE RANGE	-50 to +185	$^{\circ}$ F
THERMAL COEFFICIENT OF SENSITIVITY	.02	%/ $^{\circ}$ 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	