

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	

Model Number 4705M11	PERFORMANCE SPECIFICATION	DOC NO PS4705M11
	CHARGE AMPLIFIER, IN-LINE	REV A, ECN 12922, 08/23/16



- FAST TURN ON TIME
- MINIATURE PACKAGE

PHYSICAL

	ENGLISH		SI	
Weight, Max	1.2	oz	33	grams
Connector	10-32 Jack		10-32 Jack	
	BNC Jack		BNC Jack	
Housing	300 Series S.S.		300 Series S.S.	
Isolation	Case Grounded		Case Grounded	

PERFORMANCE

Sensitivity, ±10%	50	mV/pC	50.0	mV/pC
Input Range, ±5V out	±100	pC	±100	pC
Low Frequency Response, -3dB / -5%	0.32 / 0.96	Hz	0.32 / 0.96	Hz
High Frequency Response	[2]	Hz	[2]	Hz
Feedback Capacitor	20	pF	20	pF
Thermal Coefficient of Sensitivity, Max.	0.02	%/°F	0.04	%/°C
Minimum Source Resistance	1000	MΩ	1000	MΩ

ELECTRICAL

Supply Current Range [1]	2 to 20	mA	2 to 20	mA
Compliance Voltage Range	+18 to +30	VDC	+18 to +30	VDC
Output Impedance, Typ.	100	Ω	100	Ω
Output Bias Voltage	11	VDC	11	VDC
Discharge Time Constant	0.5	sec	0.5	sec

ENVIRONMENTAL

Shock Max.	2000	g pk	19620	m/s ²
Vibration Max.	300	g pk	2943	m/s ²
Operating Temperature	-50 to +185	°F	-46 to +85	°C
Seal	Epoxy		Epoxy	

This family also includes:

Model	Sensitivity (mV/pC)	Range (pC)	Insulation Resistance (Ω)	Feedback Capacitor (pF)

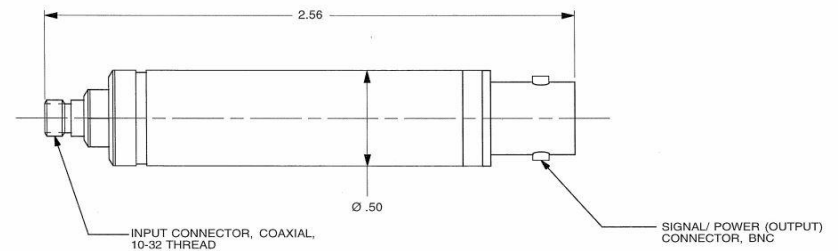
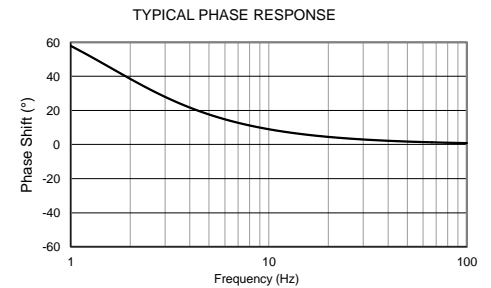
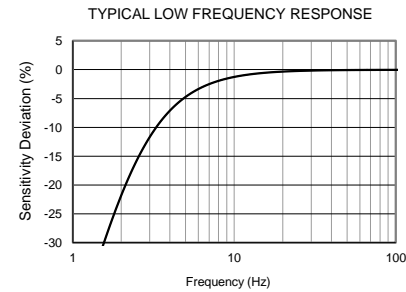
Refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)

Notes:

- [1] Do not apply power to this device without current limiting, 20 mA MAX. To do so will destroy the integral IC amplifier.
- [2] High frequency response depends upon drive current and cable length, since there is no filtering.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-4705M4 for more information.



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