

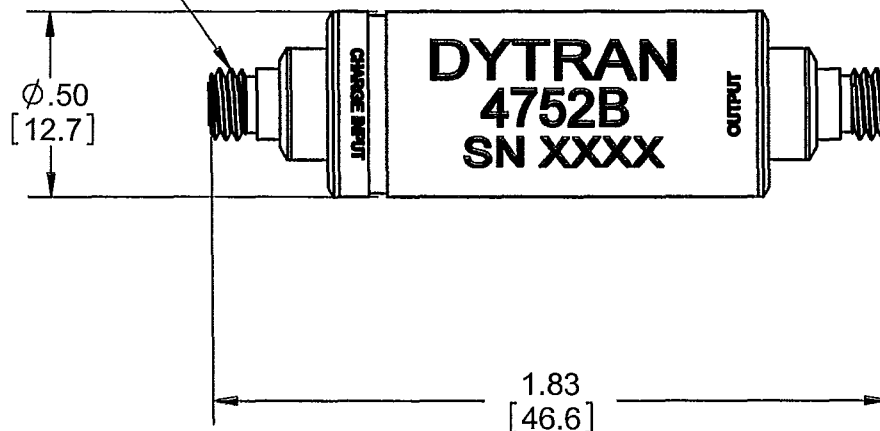
PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	7502	INITIAL RELEASE	DV 06/09/11	EP	RT
B	10129	SEE ECN	AB 07/03/13	MH	<i>[Signature]</i>

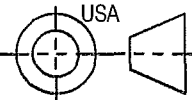
2X 10-32 COAXIAL CONNECTOR



2. WEIGHT: 17 GRAMS MAX

1. CONNECTOR/HOUSING MATERIAL: 304L

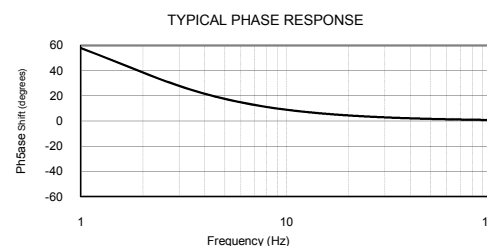
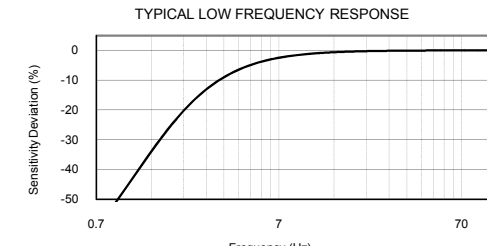
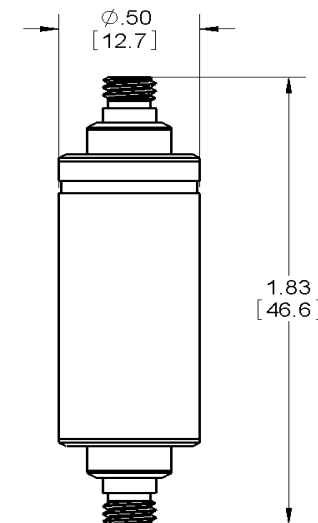
NOTES: UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M - 1994. REMOVE BURRS. COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA. CHAM EXT THDS 45° TO MINOR DIA. THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS. THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING.	
USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	
	
ALL MACHINED SURFACES. <i>63</i> TOTAL RUNOUT WITHIN .005. BREAK SHARP EDGES .005 TO .010. MACHINED FILLET RADII .005 TO .015. WELDING SYMBOLS PER AWS A2.4. ABBREVIATIONS PER MIL-STD-127.	

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE: INCHES METRIC ANGLES .XX ± .03 .X ± 0.8 ± 1° .XXX±.010 .XX ±0.25		
MATERIAL		
FINISH		
DO NOT SCALE DRAWING		

CONTRACT NO.

		MASTER ONLY IF IN RED Chatsworth, CA	
		TITLE: OUTLINE/INSTALLATION DRAWING, MODEL 4752B	
APPROVALS	DATE	SIZE	REV
ORIG	DV	1/14/11	
CHK	EP	06/23/11	
APP	RT	08/23/11	
APP	<i>[Signature]</i>	7/10/13	
CAGE CODE	DWG. NO.		
A	2W033		
SCALE: NONE		SOLIDWORKS	SHEET 1 OF 1

Model Number 4752B		PERFORMANCE SPECIFICATION				DOC NO PS4752B																									
		Charge Amplifier, In-line				REV A, ECN 7502, 06/09/11																									
		• FAST TURN ON TIME • HIGH TEMPERATURE SENSORS • MINIATURE PACKAGE • TOLERATES LOW INSULATION RESISTANCE FROM SENSORS • HERMETICALLY SEALED				This family also includes: <table><tr><th>Model</th><th>Sensitivity (mV/pC)</th><th>Range (pC)</th><th>Resolution (μVrms)</th><th>Oper. Temp(°F)</th><th>TC</th></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>		Model	Sensitivity (mV/pC)	Range (pC)	Resolution (μVrms)	Oper. Temp(°F)	TC																		
Model	Sensitivity (mV/pC)	Range (pC)	Resolution (μVrms)	Oper. Temp(°F)	TC																										
		Refer to the performance specifications of the products in this family for detailed description				Supplied Accessories: 1) Accredited calibration certificate (ISO 17025)																									
						Notes: [1] Glass to metal seal connector, type 10-32 coaxial receptacle. [2] Measured at 100 Hz, 1000 pF input. [3] Percent of full scale or any lesser range, zero based best-fit straight line method. [4] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the integral IC amplifier. [5] In the interest of constant product improvement, we reserve the right to change specifications without notice.																									
PHYSICAL		ENGLISH		SI																											
Weight, MAX		0.60	oz	17	grams																										
Input Connector [1]	Type	10-32		10-32																											
	Material	304L		304L																											
Output Connector [1]	Type	10-32		10-32																											
	Material	304L		304L																											
Housing	Material	304L		304L																											
	Isolation	Case Grounded		Case Grounded																											
PERFORMANCE																															
Sensitivity, ±3% [2]		10	mV/pC	10	mV/pC																										
Input Range		500	pC	500	pC																										
Frequency Range, ±5%	4mA	5 to 40,000	Hz	5 to 40,000	Hz																										
Output voltage range		+/-5	Vp	+/-5	Vp																										
Non-Linearity [3]		+/-1%	%F.S.	+/-1%	%F.S.																										
Noise floor (5Hz to 10kHz)		40	μVrms	40	μVrms																										
Maximum Input Voltage		30	Vp	30	Vp																										
Minimum Source Resistance		300	kΩ	300	kΩ																										
Maximum Source Capacitance		20000	pF	20000	pF																										
Turn on Time (within 10% of bias)		<5	sec	<5	sec																										
Thermal coefficient of sensitivity, Max		0.01	%/°F	0.02	%/°C																										
ELECTRICAL																															
Supply Current Range [4]		4 to 20	mA	4 to 20	mA																										
Compliance Voltage Range		+18 to +30	VDC	+18 to +30	VDC																										
Output Impedance, Typ.		<100	Ω	<100	Ω																										
Output Bias Voltage		12 to 15	VDC	12 to 15	VDC																										
Discharge Time Constant		0.1 to 0.3	sec	0.1 to 0.3	sec																										
Polarity		Inverting		Inverting																											
ENVIRONMENTAL																															
Shock Max		2000	g pk	19620	m/s^2																										
Vibration Max		300	g pk	2943	m/s^2																										
Operating Temperature		-40 to +185	°F	-40 to +85	°C																										
Seal		Hermetic		Hermetic																											
																															
																															
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-4752B for more information.																													



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.700.7880
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