

Model Number 4754B	PERFORMANCE SPECIFICATION									DOC NO PS4754B	
	CHARGE AMPLIFIER, IN-LINE								REV B, ECN 1136	3, 10/10/14	
						This family	also includes:				
DYTRAN MADE IN VIGAN 4754B SIN XXXX		Caro	 FAST TURN ON TIME HIGH TEMPERATURE SENSORS MINIATURE PACKAGE TOLERATES LOW CURRENT & LOW INSULATION RESISTANCE FROM SENSORS 				Sensitivity (mV/pC)	Range (pC)	Resolution (µVrms)	Oper. Temp(°F)	TC
		ENGLISH			Supplied Accessories: SI 1) Accredited calibration certificate (ISO 17025)						
PHYSICAL Veight, Max nput Connector [1] Dutput Connector Housing	Type Type Material Isolation	10-32 10-32 [3] Percent of full scale or any lesser range, zero based best-fit straight line method. 10-32 300 Series [3] Dercent of full scale or any lesser range, zero based best-fit straight line method. 10-32 10-32 [4] Do not apply power to this system without current limiting, 20 mA MAX. To do so will									
PERFORMANCE Sensitivity, ±3% [2] nput Range rrequency Range, ±5% Dutput voltage range Jon-Linearity [3] Joise floor (5Hz to 10kHz) Aaximum Input Voltage Ainimum Source Resistance Aaximum Source Capacitance Turn on Time (within 10% of bi Thermal coefficient of sensitivit	ias)	$ \begin{array}{r} 10 \\ 500 \\ 5 \text{ to } 40,000 \\ +/-5 \\ +/-1\% \\ 40 \\ 30 \\ 10 \\ 20000 \\ <1 \\ 0.01 \\ \end{array} $	mV/pC pC Hz Vp %F.S. μVrms Vp kΩ pF minute %/°F	$ \begin{array}{r} 10 \\ 500 \\ 5 to 40,000 \\ +/-5 \\ +/-1\% \\ 40 \\ 30 \\ 10 \\ 20000 \\ <1 \\ 0.02 \\ \end{array} $	mV/pC pC Hz Vp %F.S. μVrms Vp kΩ pF minute %/°C		TYPICAL PHASE RESPONS	·	, .	LOW FREQUENCY RES	PONSE
Supply Current Range [4] Compliance Voltage Range Dutput Impedance, Typ. Dutput Bias Voltage Discharge Time Constant Polarity		2 to 20 +18 to +30 <100 10.0 to 13.0 0.1 to 0.3 Inverting	mA VDC Ω VDC sec	2 to 20 +18 to +30 <100 10.0 to 13.0 0.1 to 0.3 Inverting	mA VDC Ω VDC sec			1.83 [46.6]	- _		
ENVIRONMENTAL Shock Max Vibration Max Operating Temperature Seal		2000 300 -40 to +185 HERMETIC	g pk g pk °F	19620 2943 -40 to +85 HERMETIC	m/s^2 m/s^2 °C	Ø.50 [12.7]		1.20 [30.4]		-2X 10-32 UNF-2 COAXIAL CONI	
bs			502 Marilla				drawing are in inches, units in			or more information.	



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