Model Number	IN-LINE CHARGE CONVERTER						I -	sion: D	
422E52	114 E1	ONVERTER				#: 37900			
Performance Sensitivity(± 2.5 %)(Charge Conversion) Input Range Overrange Low Frequency Response(-5 %) High Frequency Response(-5 %) Non-Linearity Environmental Temperature Range(Operating) Maximum Shock Maximum Vibration(5 to 2000 Hz) Electrical Excitation Voltage Constant Current Excitation Output Voltage Output Impedance Output Bias Voltage Maximum Input Voltage Broadband Electrical Noise(1 to 10,000 Hz) Spectral Noise(1 Hz) Spectral Noise(10 Hz) Spectral Noise(100 Hz) Spectral Noise(100 KHz) Capacitance(Feedback) Overload Recovery Time Discharge Time Constant Resistance(Feedback) Source Capacitance Loading	ENGLISH 10 mV/pC ± 500 pC ± 8 V 5 Hz 100 kHz ≤ 1.0 % FS -65 to +250 F 5000 g pk 100 g pk 18 to 28 VDC 2 to 20 mA ± 5.0 V 100 ohm 9 to 13 VDC 40 V 33 μV 9.8 μV/√Hz 3 μV/√Hz 0.4 μV/√Hz 0.4 μV/√Hz 100 pF 10 μsec >0.1 sec 4.8x10 ⁹ ohm 0.0005 %/pF	SI 10 mV/pC ±500 pC ±8 V 5 Hz 100 kHz ≤1.0 % FS -54 to +121 °C 49,050 m/s² pk 981 m/s² pk 18 to 28 VDC 2 to 20 mA ±5.0 V 100 ohm 9 to 13 VDC 40 V -90 dB -110 dB -110 dB -110 dB -112 dB -122 dB -134 dB 100 pF 10 µsec >0.1 sec 4.8x109 ohm [2		OPTIONAL VERSIONS Optional versions have identical specifications and accessories as except where noted below. More than one option in the except where noted below. More than one option in the except where noted below. More than one option in the except where noted below. More than one option in the except where noted below. More than one option in the except where noted below. More than one option in the except where noted below. More than one option in the except where noted below. More than one option in the except where noted below. More than one option in the except where noted below. More than one option in the except where noted below. More than one option in the except where noted below. More than one option in the except where noted below. More than one option in the except where noted below. More than one option in the except where noted below. More than one option in the except where noted below. More than one option in the except where noted below. More than one option in the except where noted below. More than one option in the except where the ex			bns sories as listed for the e option may be used al to the feedback cap mes tested value due urrent and output cabl ails. A low impendance	eedback capacitor, to simulate value due to circuitry (i.e	
Physical Housing Material Sealing Electrical Connector(Input) Electrical Connector(Output) Size (Diameter x Length) Weight	Stainless Steel Epoxy 10-32 Coaxial Jack BNC Jack 0.52 in x 3.4 in 1.15 oz	Stainless Steel Epoxy 10-32 Coaxial Jack BNC Jack 13 mm x 86 mm 32.7 gm		Estate DAM	English M	Color LIM	January San	On an Newstern	
				Entered: DMW	Engineer: KL	Sales: JJM	Approved: BAM	Spec Number:	
C				Date: 12/14/2011	Date: 12/14/2011	Date: 12/14/2011	Date: 12/14/2011	25580	
All specifications are at room temperature unless of In the interest of constant product improvement, we ICP® is a registered trademark of PCB Group, Inc.		ifications without notice.		® _{PCE}	PIEZOTA ELECTRONIC: nue, Depew, NY 14	20NC5"	Phone: 716-684 Fax: 716-684-09 E-Mail: electron	-0001 87	