Model Number 422E11		IN-LINE CHARGE CONVERTER			
Performance Sensitivity(± 5 %)(Charg Overrange Low Frequency Respons High Frequency Respon High Frequency Respon High Frequency Respon Hon-Linearity Environmental Temperature Range(Op Temperature Response	se(-5 %) se(2.2 mA) se(4 mA) se(20 mA)	ENGLISH 100 mV/pC ± 3 V 5 Hz 60 kHz 90 kHz 110 kHz ≤ 1.0 % FS -65 to +250 °F <2 %	<u>SI</u> 100 mV/pC ± 3 V 5 Hz 60 kHz 90 kHz 110 kHz ≤ 1.0 % FS -54 to +121 °C <2 %	[3] [3]	Optional versions have except TLD - TEDS Capable Temperature Range(O) Output Bias Voltage
Maximum Shock Electrical Excitation Voltage Output Bias Voltage Output Voltage(at specificonstant Current Excitation Output Impedance Output Polarity Maximum Input Voltage Broadband Electrical Notespectral Noise(1 Hz) Spectral Noise(10 Hz) Spectral Noise(100 Hz) Spectral Noise(10 Hz) Spectral Noise(10 KHz) Spectral Noise(10 KHz) Discharge Time Constant Resistance(Minimum reconstant)	ied measurement range) tion ise(1 to 10,000 Hz) nt quired at input)	1000 g pk 18 to 28 VDC 12.75 to 14.25 VDC ± 2.5 Vpk 2.2 to 20 mA <20 Ohm Inverted 30 V 60 µV 44 µV/\Hz 8.0 µV/\Hz 1.0 µV/\Hz 0.1 µV/\Hz 0.1 sec 2x10 ⁸ Ohm	9810 m/s² pk 18 to 28 VDC 12.75 to 14.25 VDC	[1] [1] [1] [1] [1] [1]	NOTES: [1]Tested using voltage scharge output sensor. [2]Not to be used with lot temperatures or contabias problems). [3]Above stated frequence [4]See PCB Declaration
Source Capacitance Loa Physical Housing Material Sealing Electrical Connector(Inp Electrical Connector(Our	ut)	0.005 %/pF Stainless Steel Welded 10-32 Coaxial Jack BNC Jack	0.005 %/pF Stainless Steel Welded 10-32 Coaxial Jack BNC Jack		

OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

TLD - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4 Temperature Range(Operating) -40 to +185 °F -40 to +85 °C Output Bias Voltage 13.35 to 14.85 VDC 13.35 to 14.85 VDC

NOTES:

- [1]Tested using voltage source and input capacitor equal to the feedback capacitor, to simulate a charge output sensor.
- [2]Not to be used with low values of source resistance such as charge mode sensors at elevated temperatures or contaminated sensor cables (preventing low frequency peaking and/or output bias problems).

[3]Above stated frequency, the amplifier becomes slew rate limited.

[4]See PCB Declaration of Conformance PS024 for details.

Entered: LK	Engineer: CPH	Sales: ML	Approved: DY	Spec Number:
Date: 8/10/2016	Date: 8/10/2016	Date: 8/10/2016	Date: 8/10/2016	422-5110-80



Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com

Revision: R

ECN #: 45760



Weight

Size (Diameter x Length)

All specifications are at room temperature unless otherwise specified.

In the interest of constant product improvement, we reserve the right to change specifications without notice. ICP® is a registered trademark of PCB Group, Inc.

0.52 in x 3.4 in

1.15 oz

13 mm x 86 mm

32.7 gm