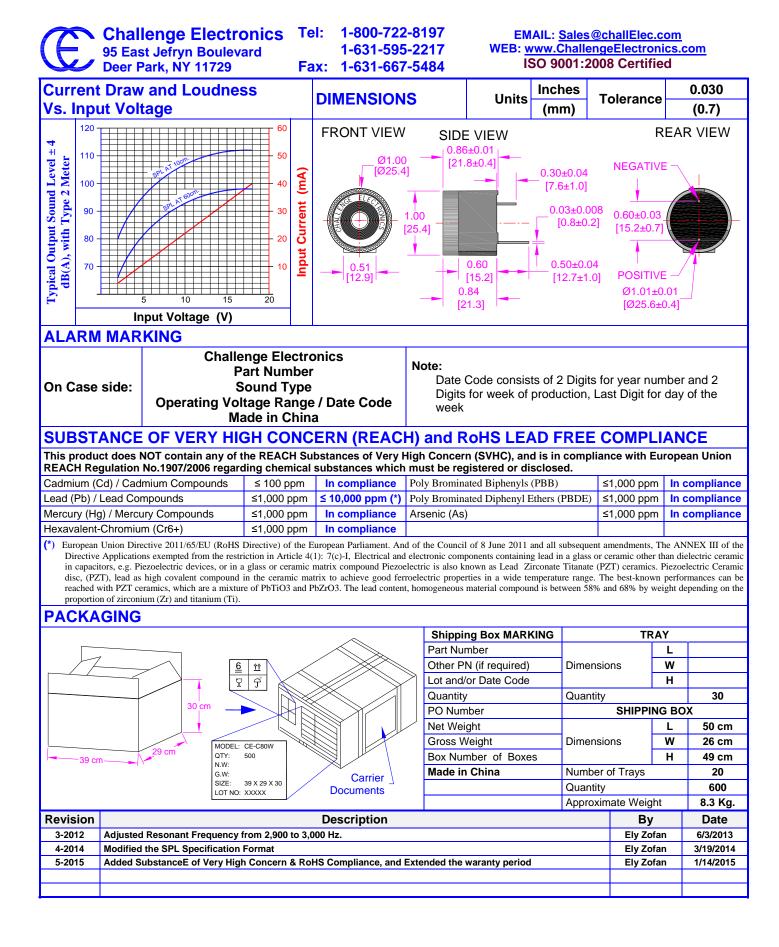
| | Challeng | ge Electronics Tel: 1-800-722-8197 EMAIL: Sales@challElec.com frvn Boulevard 1-631-595-2217 WEB: www.ChallengeElectronics.com | n | |
|---|-----------------|--|--------------|--|
| | Deer Park. | fryn Boulevard1-631-595-2217WEB: www.ChallengeElectronics.comNY 11729Fax: 1-631-667-5484ISO 9001:2008 Certified | - | |
| | , | PRODUCT INFORMATION | | |
| COMPLIA | NCE | Part #: CE-C75A Revision: 5-2 | 2015 | |
| Loud Miniature Piezoelectric Alarm | | | | |
| DESCRIPTION FEATURES | | | | |
| Challenge Electronics CONTINUOUS Tone; Loud; 3 to 18 Vdc with a relatively low sound frequency of 3,000 Hz.; M Black style case; 25.1 mm Diameter, 22.2 mm High; Sound Pressure Level of 100 dB(A) at 18 Vdc at 61 cm; PC Pins termination; RoHS Compliant; with Removable Washing Label; Miniature Piezoelectric Alarm SPECIFICATIONS Reliable Solid State Piezoelectric Technology Corrosion resistant Stainless Steel Diaphragm Flame Retardant Plastic Hermetically Sealed Alarm Water Proof, NEMA 3R, 4X, or 12 RoHS, Lead Free Compliance ISO 9001:2008 Certified | | | | |
| Operating Mode Loud, Continuous Tones Pulse Rate | | | | |
| Operating V | oltage | 3 to 18 Vdc Nominal Operating Voltage 12.0 Vdc Operating Frequency 3,000 ± 500 Hz. | | |
| Typical Loudness | | At 3 Vdc 78 ± 6 dB(A) At 12 Vdc 96 ± 4 dB(A) At 18 Vdc 100 ± 4 dB(A) CDL is measured at 34 in sheet (C4 are) 25% Sound Lowel mater # 2040 Time 2 Fast Desenance A Weight | | |
| Typical One | rating Current | SPL is measured at 24 inches (61 cm), 25°C, Sound Level meter # 2240, Type 2, Fast Response, A-Weigh 5 mA at 3 Vdc 28 mA at 12 Vdc 40 mA at 18 Vdc | tea | |
| Operating T | | -30°C to +65°C Storage Temperature -40°C to +85°C | | |
| Surge Volta | _ | 20% over maximum Operating Voltage for less than 5 minutes | | |
| Polarity Pro | <u> </u> | Protected against Reversed Voltage to the Maximum Operating Voltage | | |
| ž | Alarm Case | | | |
| Materials | Diaphragm | m Stainless Steel 304 Sound Port Single opening Top Side | | |
| | | | | |
| | | Two (2) PC pins, 0.032 Ø (0.8 Ø mm) Brass, Electro-Tin Plated. Centered on 0.6 inches (15.2 mm) Diameter | er pins | |
| spacing | | | - | |
| | | Length or Diameter (L /D) 1.00" (25.4 mm) Ø Width (W) Height (H) 0.88" (22.2) | | |
| Approximate Weight | | 18 grams Removable Washing Label Yes Compliance RoHS, Lead Free, REAC | CH | |
| Available Options | | | | |
| RELIAE | BILITY | | | |
| Thermal On | erating Tempera | ature 96 hours continuous operation at Rated Power, at Maximum Rated Operating Temperature * | | |
| Test | | 96 hours continuous operation at Rated Power, at Minimum Rated Operating Temperature * | | |
| Thermal Storage Temperature | | 96 hours storage at Maximum Rated Storage Temperatures * | | |
| Test | | 96 hours storage at Minimum Rated Storage Temperatures * | | |
| Thermal Shock Test | | 5 cycles of Minimum and Maximum Operating Temperature Each cycle shell be set per diagram below and is 3 hours long * | ulles 210 | |
| Humidity T | est | 120 Hours at +60°C±2°C, 90-95% RH * | | |
| Salt Spray | | Withstand exposure to salt spray per ASTM B117 for a period of 300 hours * | | |
| Water & Dust Exposure | | Withstands water submergence and dust exposure per IP-68 * | | |
| Vibration Test | | 2 Hours at 1.5 mm with 10 to 55 Hz. of vibration frequency to each of 3 perpendicular direction * | | |
| Drop Test | | Dropped naturally from 1 meter height onto the surface of 10mm wooden board, 2 directions upper and side of the part are applied * | | |
| Termination Strength | | Maximum of 15 pounds (6.8 Kg) load pull test | | |
| * Reliability Test Performance | | Parts should conform to original performance within ±3dB, after 3 hours of recovery and dry period | | |
| Life Test | Intermi | ittent 1,000 hours of a 1 minute on 4 minutes off cycle at room temperature and maximum Operating Voltage | | |
| Life Test | Contin | 250 hours continuous operation at maximum Operating Voltage and maximum Operating Temperatures | | |
| Warranty For a period of two (2) years from date of shipping under normal operations conditions This warranty does not apply to products damaged through misuse, abuse, improper installation, alteration, rework, or attempt to repare | | | | |

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