

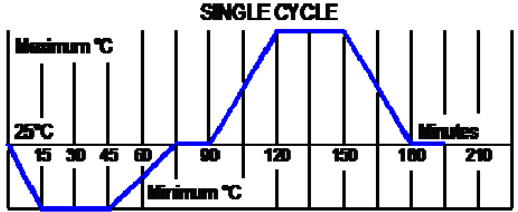


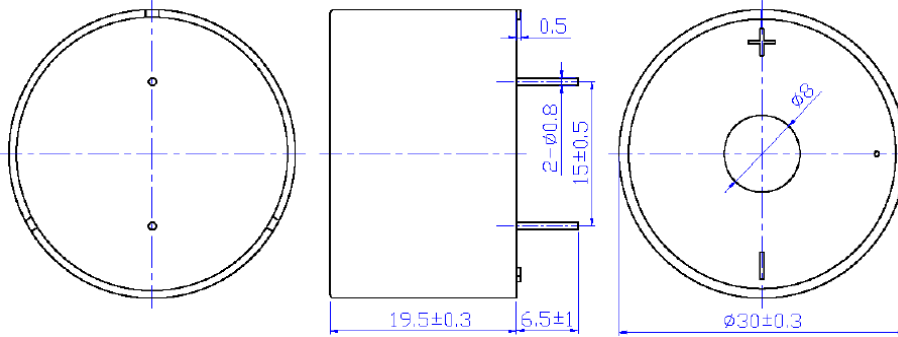


PRODUCT INFORMATION

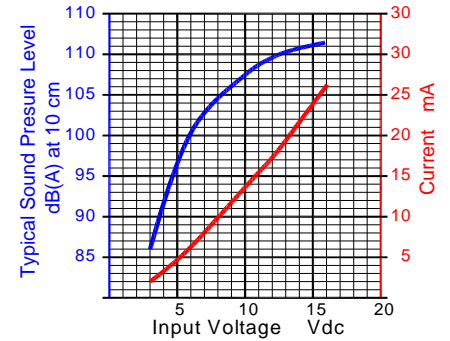
PART #:	CEPB300B200-315B30P15R						Revision: 0-2014	
	PIEZOELECTRIC BUZZER							
DESCRIPTION								
<p>Challenge Electronics Piezoelectric Buzzer; 30.0 mm Diameter; B style case (round with standoffs, Top sound port); 20.0 mm High; 3-15 Vdc; Beep Tone Extra Loud; 3,000 Hz. Resonant Frequency; Minimum Sound Pressure Level 100 dB(A) at 10 cm and Nominal Voltage; PC Pins 15 mm apart; RoHS Compliant</p>								
SPECIFICATIONS								
Alarm Type	Extra Loud, Intermittent Tone				Pulse Rate	1 Hz ± 20%		
Operating Voltage	3 – 15 Vdc	Nominal Voltage	12 Vdc	Resonant Frequency	3,000 ± 500 Hz.			
Minimum Sound Pressure Level	At 3 Vdc	80 dB(A)	At 12 Vdc	100 dB(A)	At 15 Vdc	102 dB(A)		
SPL is measured at 10 cm, 25°C, Sound Level meter # 2240, Type 2, Fast Response, A-Weighted								
Operating Current	Maximum 10 mA at 3 Vdc		Maximum 30 mA at 12 Vdc		Maximum 40 mA at 15 Vdc			
Operating Temperature	-40°C to +85°C		Storage Temperature	- 40°C to +90°C				
Material	Alarm Case	Plastic, Noryl PX9406 (Black) made by GE Plastics, UL 94-V0				Sound Port	Top	
	Diaphragm	Brass						
	Encapsulation	Back sealed with 2 parts Epoxy						
	Termination	Two (2) Pins, Brass, Electro-Tin plated, 0.8 mm Diameter						
Physical Dimensions	Length or Diameter	30.0 mm Ø	Width (W)	mm	Height (H)	20.0 mm	Pins Spacing	15.0 mm
Approximate Weight	8 grams	Removable Washing Label	No	Compliance	RoHS, Lead Free			
Available Options								
RELIABILITY								
Thermal Operating Temperature Test	96 hours continuous operation at Rated Voltage, at Maximum Rated Operating Temperature *							
	96 hours continuous operation at Rated Voltage, at Minimum Rated Operating Temperature *							
Thermal Storage Temperature Test	96 hours storage at Maximum Rated Storage Temperatures *							
	96 hours storage at Minimum Rated Storage Temperatures *							
Thermal Shock Test	5 cycles of Minimum and Maximum Operating Temperature Each cycle shall be set per diagram and is 3 hours long *							
Humidity Test	120 Hours at +60°C±2°C. 90-95% RH *							
Vibration Test	2 Hours of at 1.5 mm with 10 to 55 Hz. vibration frequency to each of 3 perpendicular directions *							
Termination Strength	Maximum of 9.8 N (1.0 Kg) load pull test, applied to each terminal in axial direction for 10 seconds							
Drop Test	Dropped naturally from 750 mm height onto the surface of 40 mm wooden board, 3 axes (X,Y,Z) directions, 3 times each (9 times total) *							
Solderability	Terminal leads are immersed in rosin for 5 seconds and then immersed in solder-bath of +270°C for 3±1 seconds							
* Reliability Test Performance	Parts should conform to original performance within ±3dB, after 3 hours of recovery period							
Life Test	Intermittent	1,000 hours of a 1 minute on 4 minutes off cycle at room temperature and maximum rated voltage						
	Continuous	250 hours continuous operation at maximum rated Voltage and maximum Operating Temperatures						
Warranty	For a period of one (1) year 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 repair							



DIMENSIONS Units in: mm Tolerance: ± 0.5 mm



SPL and Current vs. Input Voltage Response



PACKAGING

		MARKING		TRAY	
Bundle				X2	cm
Part Number	Dimensions			Y2	cm
Other PN if required				Z2	cm
Quantity		Quantity			
Lot and/or Date Code			BUNDLE		
Bundle Number	Dimensions			X2	cm
Shipping Box				Y2	cm
Part Number				Z2	cm
Other PN (if required)			Quantity		
Quantity			SHIPPING BOX		
Lot and/or Date Code	Dimensions			X3	cm
PO Number				Y3	cm
Net Weight				Z3	cm
Gross Weight			Number of Bundles		
Box Number of Boxes			Quantity		
Made in China			Approximate Weight		kg
Revision	Description			By	Date