



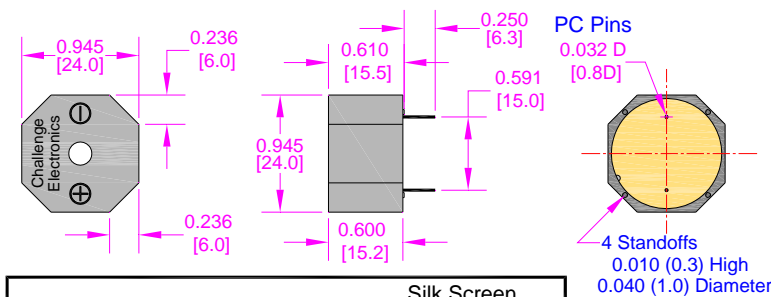
PRODUCT INFORMATION

PART #:	CE-BM310Z34P15						Revision: 0-2014		
	PIEZOELECTRIC BUZZER								
DESCRIPTION									
Challenge Electronics Piezoelectric Buzzer; Slow Intermittent (Beep) Tone; Medium Loud; 24.0 mm Sides; Z style case (Octagon with Standoffs and Top Sound Port); 15.5 mm High; 3-10 Vdc; 3,400 Hz. Resonant Frequency; Sound Pressure Level 97±4 dB at 6 V at 10 cm; PC Pins 15 mm apart Termination; RoHS Compliant									
SPECIFICATIONS									
Alarm Type	Medium Loud, Slow Intermittent Tone			Pulse Rate	1 ±20% Hz.				
Operating Voltage	3 – 10 Vdc	Nominal Voltage	6 Vdc	Resonant Frequency	3,400 ± 500 Hz.				
Minimum Sound Pressure Level	At 3 Vdc	85 ± 5 dB(A)	At 6 Vdc	97 ± 4 dB(A)	At 10 Vdc	102 ± 4 dB(A)			
SPL is measured at 10 cm, 25°C, Sound Level meter # 2240, Type 2, Fast Response, A-Weighted									
Operating Current	5 mA at 3 Vdc		15 mA at 6 Vdc		25 mA at 10 Vdc				
Operating Temperature	-30°C to +70°C	Storage Temperature	- 40°C to +85°C						
Material	Alarm Case	Plastic, NORYL™ or equal or equal, Gray			Sound Port	Top			
	Diaphragm	Brass							
	Encapsulation	PCB cover							
	Termination	Two PC Pins, 0.032" (0.8 mm) Diameter, Copper, Electro-Tin Plated							
Physical Dimensions	Octagon	Length	24.0 mm	Width (W)	24.0 mm	Height (H)	15.5 mm	Pin Spacing	15.0 mm
Approximate Weight	15 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								



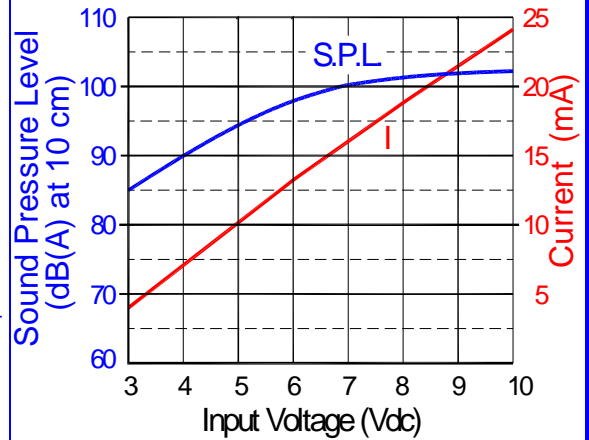
DIMENSIONS Units in: mm Tolerance: ± 0.5 mm

FRONT VIEW SIDE VIEW REAR VIEW

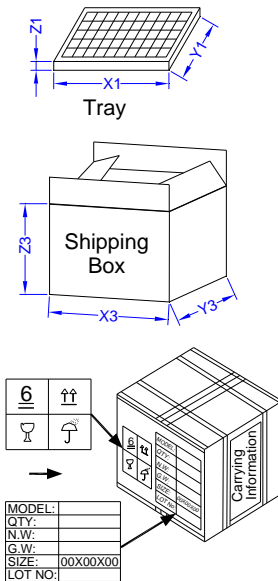


Part Number	Silk Screen
"TYPE" of Tone	CE-XXXXXXXXX
"Operating Voltage" / Date Code	Cont. Tone
Origination	X-XX Vdc / XXXX
	Made in China

SPL and Current vs. Input Voltage Response



PACKAGING



MARKING		TRAY	
Bundle		X1	44 cm
Part Number	Dimensions	Y1	21.5 cm
Other PN if required		Z1	4.5 cm
Quantity		80	
Lot and/or Date Code	BUNDLE		
Bundle Number		X2	44 cm
Shipping Box	Dimensions	Y2	21.5 cm
Part Number		Z2	25 cm
Other PN (if required)		400	
Quantity	SHIPPING BOX		
Lot and/or Date Code		X3	65.5 cm
PO Number	Dimensions	Y3	44.5 cm
Net Weight		Z3	26 cm
Gross Weight		Number of Bundles	
Box Number of Boxes	Quantity		1,200
Made in China	Approximate Weight		

Revision	Description	By	Date