

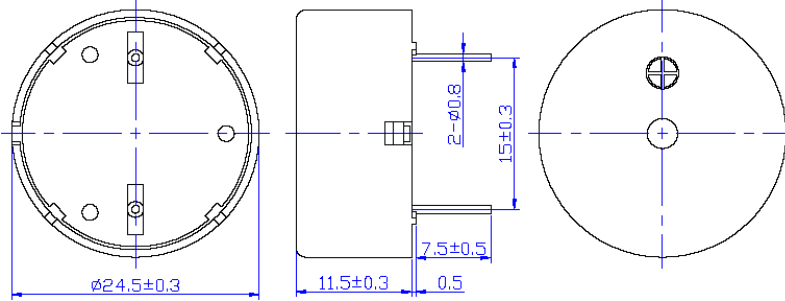


PRODUCT INFORMATION

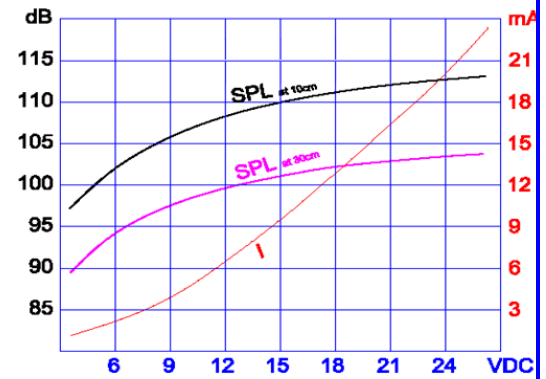
PART #:	CEPB245B120-320C34P15-7HR					Revision: 0-2015		
	PIEZOELECTRIC BUZZER							
DESCRIPTION								
<p>Challenge Electronics Piezoelectric Buzzer; 24.5 mm Diameter; B style case (round, w/standoff); 12.0 mm High; 3-20 Vdc; Continuous Tone, 3,400 Hz. Resonant Frequency; Sound Pressure Level 95 dB at 12 V at 30 cm; Pin Termination 15 mm spacing – 7.5 mm pin height; High Temp, RoHS Compliant</p>								
SPECIFICATIONS								
Alarm Type	Continuous Tone			Pulse Rate	n/a			
Operating Voltage	3 – 20 Vdc	Nominal Voltage	12 Vdc	Resonant Frequency	3,400 ± 500 Hz.			
Minimum Sound Pressure Level	At Rated Vdc	95 dB(A)						
SPL is measured at 30 cm, 25° C, Sound Level meter # 2240, Type 2, Fast Response, A-Weighted								
Operating Current	At Rated Vdc	8 mA						
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 (UL No.: E207780)				Sound Port	Top	
	Diaphragm	Brass Disc						
	Encapsulation							
	Termination	PC Pins (2) electro-tin plated brass 7.5 mm height x 0.8 mm						
Physical Dimensions	Diameter (D)		24.5 mm		Height (H)	12.0 mm	Pin Spacing	15.0 mm
Approximate Weight	3.9 grams		Removable Washing Label	No		Compliance	RoHS, Lead Free and REACH	
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				X1	cm
Part Number		Dimensions		Y1	cm
Other PN if required				Z1	cm
Quantity				Quantity	
Lot and/or Date Code		BUNDLE			
Bundle Number				X2	cm
Shipping Box		Dimensions		Y2	cm
Part Number				Z2	cm
Other PN (if required)				Quantity	
Quantity		SHIPPING BOX			
Lot and/or Date Code				X3	66.0 cm
PO Number		Dimensions		Y3	36.0 cm
Net Weight				Z3	26.0 cm
Gross Weight				Number of Bundles	
Box Number of Boxes		Quantity		2,000	
Made in China		Approximate Weight			
Revision	Description	By		Date	