

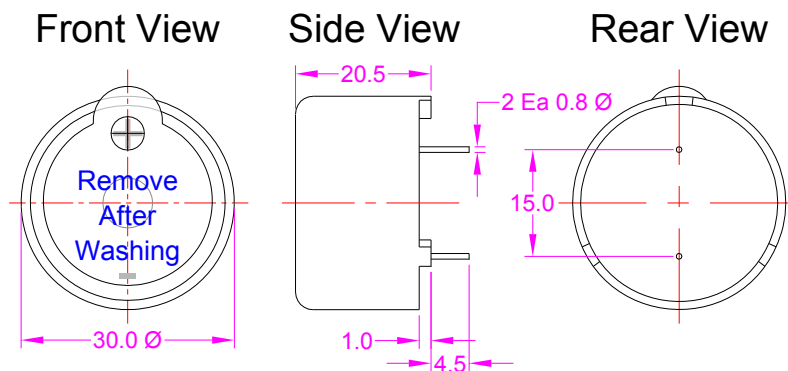


PRODUCT INFORMATION

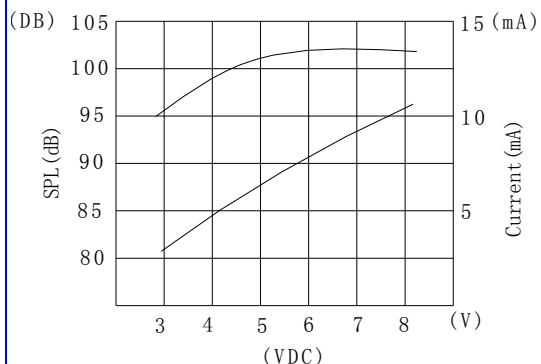
PART #	CEPB300B205-308C35PLR				Revision: 1-2015	
	PIEZOELECTRIC BUZZER					
DESCRIPTION			FEATURES			
<p>Challenge Electronics Piezoelectric Buzzer, 30 mm Diameter, B style case (With stand-off), 20.5 mm High, 3-8 Vdc, Continuous tone, 3,500 Hz Resonant Frequency, Sound Pressure Level at 100 dB(A) at 10 cm and Nominal Voltage, PC Pins, washing Label, RoHS Compliant</p>			<ul style="list-style-type: none"> • RoHS, Lead Free, and REACH Compliance • ISO 9001:2008 Certified 			
SPECIFICATIONS						
Sound Type	Medium Loud, Continuous Tone			Pulse Rate		
Operating Voltage	3-8 Vdc	Nominal Voltage	5 Vdc	Resonant Frequency	3,500 ± 500 Hz.	
Sound Pressure Level	100 dB(A), at: Nominal Voltage, 10 cm					
Operating Current	15 mA at Nominal Voltage					
Operating Temperature	-30°C to + 70°C	Storage Temperature	-40 °C to + 85°C			
Material	Housing	Plastic, PBT or equal or equal, Black			Sound Port Opening	Top
	Diaphragm	Brass			Encapsulation	Epoxy
	Termination	PC Pins, 0.8 mm diameter, 4.5 mm Long				
Physical Dimensions	Length/ Diameter (L /D)	30.0 mm Ø	Width (W)		Height (H)	20.5 mm
Approximate Weight	9 grams	Removable Washing Label	Yes	Compliance	RoHS Lead Free and REACH	
Options						
RELIABILITY Parts should conform to original performance within ±5dB, after 3 hours of recovery period.						
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	96 Hours at +60°C±2°C. 90-95% RH *					
Insulation Test	A minimum of 10 MΩ, measured with 100 Vdc Insulation Resistance Meter, between the Electrical Terminals and the Transducer Case					
Vibration Test	2 Hours of at 0.75 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 700 mm height onto the surface of 10mm wooden board, 2 directions— upper and side of the part are applied					
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	100 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



Substance Of Very High Concern (REACH)

This product does NOT contain any of the REACH Substances of Very High Concern (SVHC), and is in compliance with European Union REACH Regulation No.1907/2006 regarding chemical substances which must be registered or disclosed

PACKAGING

10 Parts		MARKING		TRAY	
				Bundle	
Part Number	Dimensions			Y1	cm
Other PN if required				Z1	cm
Quantity		Quantity		100	
Lot and/or Date Code		BUNDLE			
Bundle Number			X2	cm	
Shipping Box		Dimensions	Y2	cm	
Part Number			Z2	cm	
Other PN (if required)			Quantity		500
Quantity		SHIPPING BOX			
Lot and/or Date Code			X3	40 cm	
PO Number		Dimensions	Y3	37.5 cm	
Net Weight			Z3	38.5 cm	
Gross Weight		Number of Bundles			
Box Number of Boxes		Quantity		1,000	
Made in China		Approximate Weight		10 Kg.	

Revision	Description	By	Date
1-2015	Updated Specifications	Ely Zofan	9/8/2015