

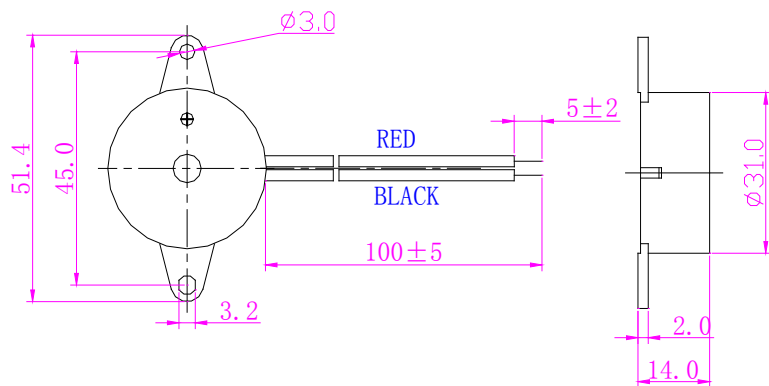


PRODUCT INFORMATION

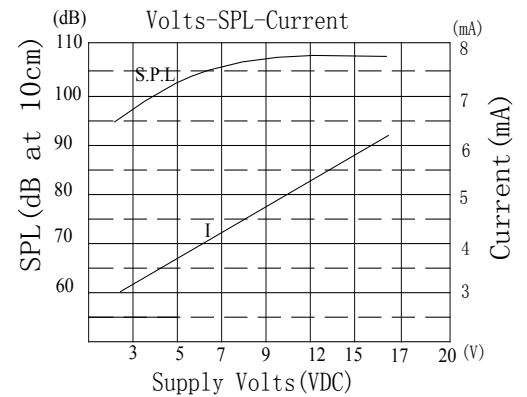
PART #	CEPB310A140-320C35WR100					Revision: 0-2014	
	PIEZOELECTRIC BUZZER						
DESCRIPTION			FEATURES				
Challenge Electronics Piezoelectric Buzzer, 31.0 mm Diameter, A style case (no stand-off), 14.0 mm High, 3-20 Vdc, Continuous tone, 3,500 Hz Resonant Frequency, Sound Pressure Level at 100 dB(A) at 10 cm and Nominal Voltage, Lead Wire RoHS Compliant			<ul style="list-style-type: none"> • RoHS Compliant • ISO 9001 & TS16949 Certified 				
SPECIFICATIONS							
Sound Type	Medium Loud, Continuous Tone			Pulse Rate			
Operating Voltage	3-20 Vdc	Nominal Voltage	5 Vdc	Resonant Frequency	3,500 ± 500 Hz.		
Sound Pressure Level	100 dB(A), at: Nominal Voltage, 10 cm						
Operating Current	8 mA at Nominal Voltage						
Operating Temperature	-20°C to + 60°C		Storage Temperature	-30 °C to + 70°C			
Material	Housing	Plastic, ABS or equal or equal, Black			Sound Port Opening	Top	
	Diaphragm	Brass			Encapsulation	CORVE	
	Termination	Wire leads, 28AWG, UL 1095 , 3.937' (100mm) Long, Striped 0.196" (5.0mm). Color Coded: Red is Positive, Black is Negative					
Physical Dimensions	Length/ Diameter (L /D)	31.0 mm Ø	Width (W)		Height (H)	14.0 mm	Pin Spacing /
Approximate Weight	8 grams		Removable Washing Label	NO	Compliance	RoHS	
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						



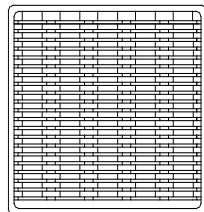
DIMENSIONS Units in: mm Tolerance: ± 0.5 mm



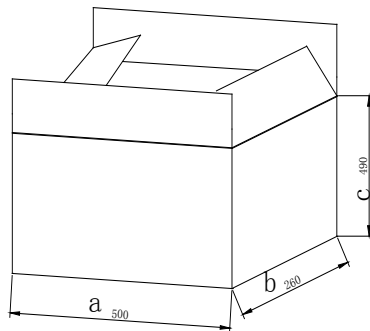
SPL and Current vs. Input Voltage Response



PACKAGING



每盒放50只.



每箱放1000只.

MARKING		TRAY	
Bundle		X1	cm
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	50 cm
PO Number	Dimensions	Y3	26 cm
Net Weight		Z3	49 cm
Gross Weight	Number of Bundles		
Box Number of Boxes	Quantity	1,000	
Made in China	Approximate Weight	9.0Kg	

Revision	Description	By	Date