

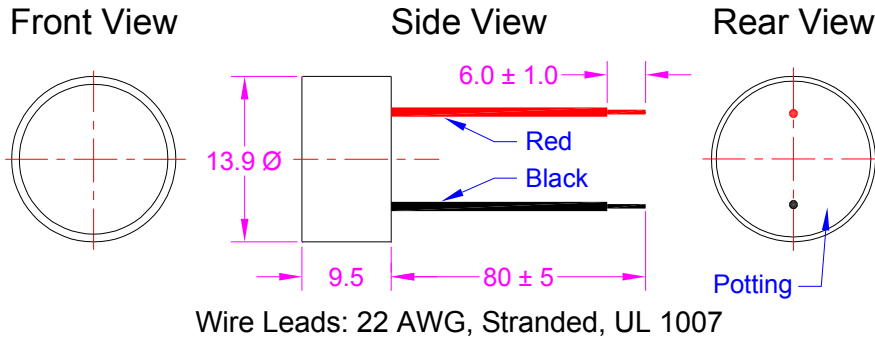


PRODUCT INFORMATION

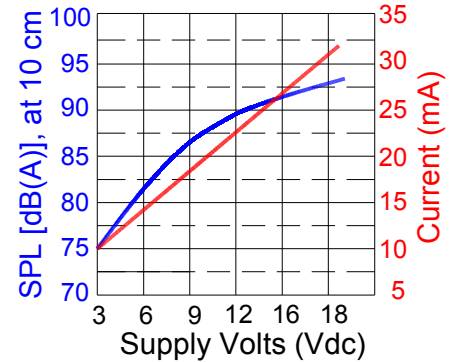
PART #	CEPB139A095-318C40W80R				Revision: 0-2013	
	PIEZOELECTRIC BUZZER					
DESCRIPTION	Challenge Electronics Piezoelectric Buzzer, 13.9 mm Diameter, A style case, 9.5 mm High, 3-18 Vdc, Continuous Tone Medium Loud, 4,000 Hz Resonant Frequency, Minimum Sound Pressure Level at 85 dB(A) at 10 cm and Nominal Voltage, Wire Leads 80 mm Long Termination, RoHS Compliant					
SPECIFICATIONS						
Alarm Type	Medium Loud, Continuous Tone			Pulse Rate		
Operating Voltage	3-18 Vdc	Nominal Voltage	12 Vdc	Resonant Frequency	4,000 ± 500 Hz.	
Sound Pressure Level	Minimum 85 dB(A), at: Nominal Voltage, 10 cm					
Operating Current	23 mA at Nominal Voltage			35 mA at Maximum Voltage		
Operating Temperature	-30°C to + 70°C		Storage Temperature	-40 °C to + 85°C		
Material	Housing	Plastic, NORYL or equal or equal, Black			Sound Port Opening	Top
	Diaphragm	Ni-Alloy			Encapsulation	
	Termination	Wire leads, 22 AWG, Stranded, UL 1007, 3.15" (80 mm) Long, Striped 0.236" (6.0 mm) Color Coded: Red = Positive, Black = Negative				
Physical Dimensions	Length/ Diameter (L /D)	13.9 mm Ø	Width (W)		Height (H)	9.5 mm
Approximate Weight	1.2 grams	Removable Washing Label	No	Compliance	RoHS	
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 *					
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 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 (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					



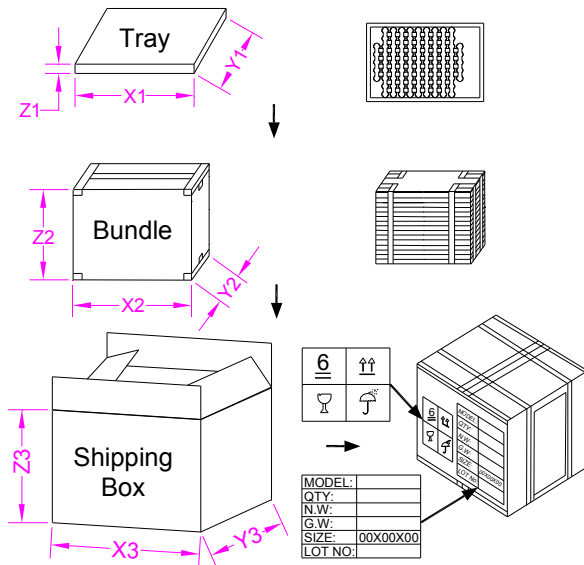
DIMENSIONS Units in: mm Tolerance: ± 0.5 mm



SPL and Current vs. Input Voltage Response



PACKAGING



MARKING		TRAY	
Bundle		X1	24 cm
Customer PN	Dimensions	Y1	16 cm
Other PN if required		Z1	2.7 cm
Quantity		Quantity	50
Lot and/or Date Code		BUNDLE	
Bundle Number	Dimensions	X2	24 cm
Shipping Box		Y2	16 cm
Customer Part Number		Z2	27 cm
Other PN (if required)	Quantity	500	
Quantity		SHIPPING BOX	
Lot and/or Date Code	Dimensions	X3	50.5 cm
PO Number		Y3	42 cm
Net Weight		Z3	28 cm
Gross Weight	Number of Bundles	5	
Box Number of Boxes	Quantity	2,500	
Made in China	Approximate Weight	3 kg.	

Revision	Description	By	Date