



PRODUCT INFORMATION

PART #:	CEPB138A075Z316C40P76R	Revision: 0-2016
----------------	-------------------------------	-------------------------

	PIEZOELECTRIC BUZZER
--	-----------------------------

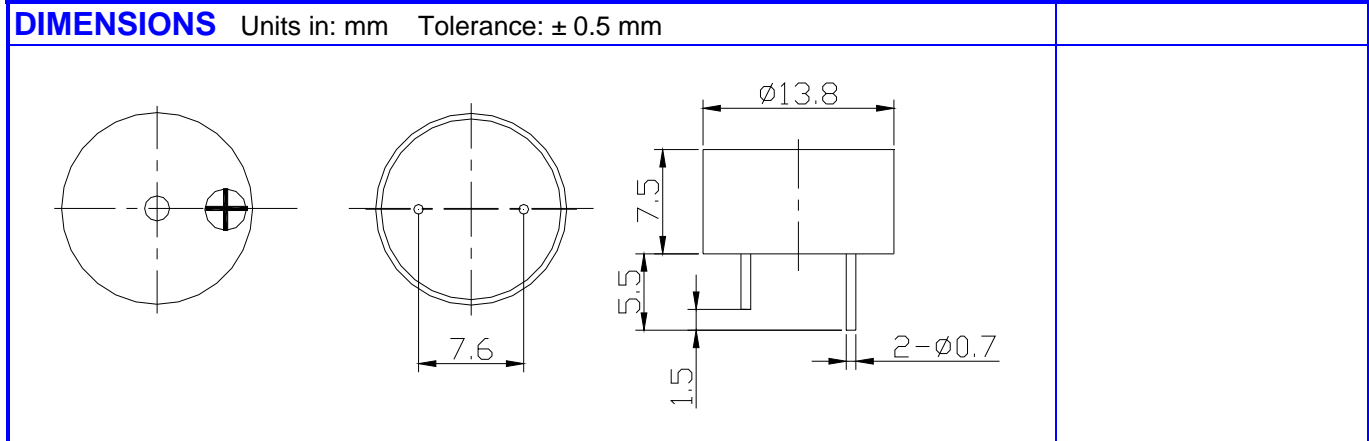
DESCRIPTION
Challenge Electronics Piezoelectric Buzzer; 13.8 mm Diameter; A style case (Round no standoff); 7.5 mm High; Passive Circuit (Z); 3-16 Vdc; Continuous Tone; 4000 Hz. Resonant Frequency; Sound Pressure Level 80 dB at 12 V at 10 cm; Pin Termination (2) w/7.6 mm spacing; RoHS Compliant

SPECIFICATIONS

Alarm Type	Continuous			Pulse Rate			
Operating Voltage	3 – 16 Vdc	Nominal Voltage	12 Vdc	Resonant Frequency	4000 ± 500 Hz.		
Minimum Sound Pressure Level	At Rated Vdc	80 dB(A)					
Operating Current	At Rated Vdc	7 mA					
Operating Temperature	-30°C to +70°C	Storage Temperature	-40°C to +85°C				
Material	Alarm Case	Round No/standoff			Sound Port	Top	
	Diaphragm	Nickle					
	Encapsulation	Epoxy					
	Termination	Pin (2) 0.7Ø x 5.5/4.0 mm length, 7.6 mm spacing					
Physical Dimensions		Diameter (D)	13.8 mm	Height (H)	7.5 mm	Pin Spacing	7.6 mm
Approximate Weight	1 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 * <div style="text-align: right; margin-top: 10px;"> </div>	
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	



ASSEMBLY DETAIL

5	Lead pin	2	Red Copper (DSn)
4	Epoxy		Resin
3	Housing	1	Black Noryl
2	Piezo element	1	Nickel
1	PCB	1	Epoxy Board
Part No.	Part Name	Q'TY	Material

SUBSTANCE OF VERY HIGH CONCERN (SVHC) 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

MARKING		TRAY	
Bundle		X1	24 cm
Part Number	Dimensions	Y1	16 cm
Other PN if required		Z1	2.8 cm
Quantity		Quantity 100	
Lot and/or Date Code	BUNDLE		
Bundle Number	Dimensions	X2	24.0 cm
Shipping Box		Y2	16.0 cm
Part Number		Z2	2.8 cm
Other PN (if required)	Quantity		1000
Quantity	SHIPPING BOX		
Lot and/or Date Code	Dimensions	X3	50.0 cm
PO Number		Y3	42.0 cm
Net Weight		Z3	28.0 cm
Gross Weight	Number of Bundles		5
Box Number of Boxes	Quantity		5000
Made in China	Approximate Weight		

foam cover size: 240x160x16 mm
 foam box size: 240x160x28mm
 100PCS/box
 PVL adhesive tape
 100x10=1000PCS
 1000PCS/sheet
 adhesive tape
 packing strap
 Carrying mark
 MODEL: 5000PCS
 QTY: 5000PCS
 N.W: 28.0g
 G.W: 50.5g
 SIZE: 50.5x42x28
 LOT NO:

Revision	Description	By	Date