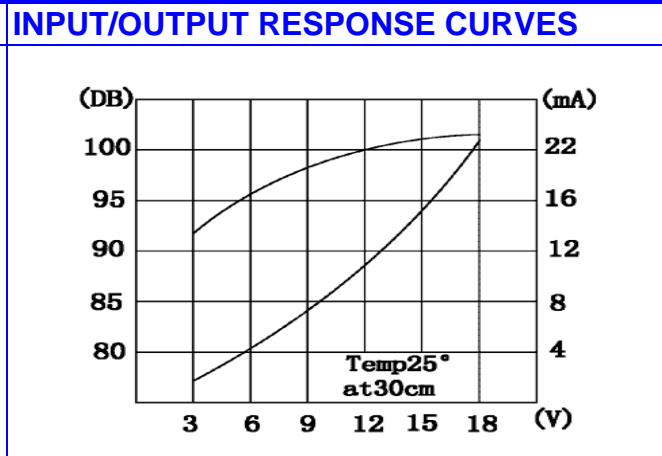
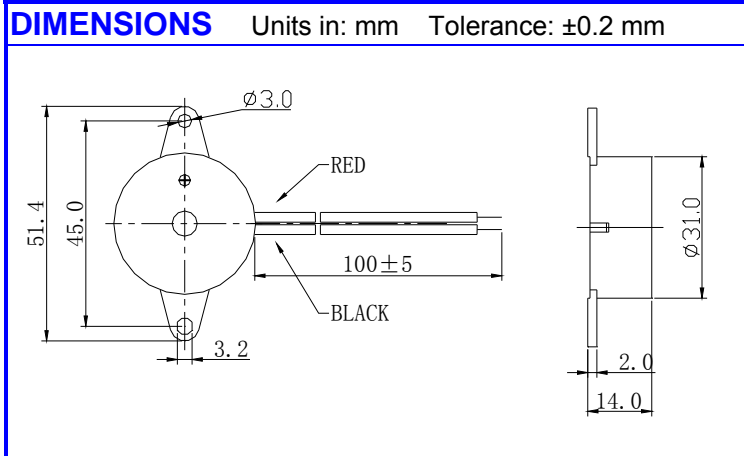




PRODUCT INFORMATION						
PART #:		<b>CEPB514G140-320-C35W100R</b>			Revision: 0-2015	
		<b>Piezoelectric Buzzer</b>				
DESCRIPTION			FEATURES			
Challenge Electronics Piezoelectric Buzzer; 51.4 mm Length; G style case (panel mount flange); 14.0 mm High; 3 to 20Vp-p Operating Voltage; 3,500 Hz. Resonant Frequency; minimum Sound output of 97 dB(A) min at 30 cm at Rated Voltage; Wire 100 mm Termination, RoHS, Lead Free and REACH Compliance			<ul style="list-style-type: none"> <li>• RoHS, Lead Free Compliant</li> <li>• REACH Compliant</li> <li>• ISO 9001 Certified</li> </ul>			
<b>SPECIFICATIONS</b>						
Operating Mode		Loud, Continuous Tone		Pulse Rate		n/a
Operating Voltage		3 - 20 Vp-p	Nominal Rated Voltage	9 Vp-p	Resonant Frequency	3,500 ± 500Hz.
Sound Pressure Level		Minimum 97 dB(A), at: 30 cm, Resonant Frequency, Nominal rated Voltage, Square Wave 50% Duty Cycle				
Operating Current		Maximum 8 mA, at: Resonant Frequency, Nominal rated Voltage, Square Wave				
Operating Temperature		-20°C to +60 °C	Storage Temperature	-30°C to + 70°C	Capacitance	
Material	Housing	ABS			Sound Port Direction	Top
	Diaphragm				Encapsulation	
	Termination	Wire 100 mm length UL1095 AWG28				
Physical Dimensions		Length (L)	51.4 mm ± 0.5 mm	Width (W)	31.0 mm ± 0.5 mm	Height (H) 14.0 mm ± 0.5 mm
Approximate Weight		7.3 grams	Removable Washing Label	No	Compliance	RoHS, Lead Free and REACH
Packaging						
<b>RELIABILITY</b>						
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		140 Hours at +40°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) *				
* Reliability Test Performance		Parts should conform to original performance within ±3dB, after 3 hours of recovery period				
Operation Life Test	Continuous	Two hundred fifty (250) hours of continuous operation, at Rated Voltage, each at Minimum & Maximum Rated Operating Temperatures				
	Intermittent	One thousand (1,000) hours of: 1 minute ON 4 minutes OFF cycle, at Room Temperature, and Maximum Rated Voltage				
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					



**SUBSTANCE OF VERY HIGH CONCERN**

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**

	<b>MARKING</b>			
	Part Number			
	Quantity	<b>Foam Tray</b>		
	Lot and/or Date Code			
	<b>Shipping Box</b>	Dimensions	X	<b>25.0 cm</b>
	Part Number		Y	<b>24.0 cm</b>
	Customer PN (if required)		Z	<b>51.5 cm</b>
	Quantity	Quantity	<b>50</b>	
	Lot and/or Date Code	Dimensions	X	<b>50.0 cm</b>
	PO Number		Y	<b>26.0 cm</b>
	Net Weight		Z	<b>49.0 cm</b>
	Gross Weight	Number of Trays		
Box Number of Boxes	Quantity	<b>1000</b>		
	Approximate Weight	<b>10 Kg</b>		
<b>Made in</b>			<b>China</b>	
<b>Revision</b>	<b>Description</b>	<b>By:</b>	<b>Date:</b>	