



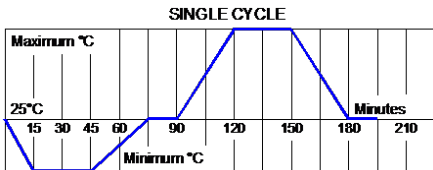


# PRODUCT INFORMATION

	<b>ABBREVIATED PART #: CECB225-127</b> <b>FULL PART #: CECB225W145-127C400PR</b>	<b>Revision: 2-2012</b>
<h2 style="color: blue;">Mechanical Buzzer</h2>		

<b>DESCRIPTION:</b> Challenge Electronics Mechanical Buzzer, 22.5 mm Long, 16.0 mm Wide, W Type Housing, 14.5 mm High, 15 to 27 Vdc Operating Voltage, Continuous Tone, Medium Loud, 400 Hz. sound frequency, PCB mounted, Terminated with 4 PC Pins, RoHS Lead Free Compliance	<b>FEATURES:</b> <ul style="list-style-type: none"> <li>RoHS, Lead Free Compliant</li> <li>ISO 9001 Certified</li> </ul>
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<b>SPECIFICATIONS:</b>							
Sound Type	Continuous			Rate			
Operating Voltage	15-27 Vdc	Rated Voltage	24 Vdc	Maximum Current at Rated Voltage	30 mA		
Sound Pressure Level	75 dB(A), at rated Voltage and 20 cm			Resonant Frequency	400 ± 100 Hz.		
Operating Temperature	-30 °C to + 70°C			Storage Temperature	-40 °C to + 85°C		
Termination	Four PC Pins, 0.6 mm diameter each, 4.5 mm long, Brass or Copper.						
Material	NORYL, Plastic				Color	Black	
Dimensions	Long (L)	22.5 mm	Width (W)	16.0 mm	Height (H)	14.5 mm	
Approximate Weight	8.5 grams		Mounting	PCB		Compliance	RoHS Lead Free
Packaging	30 parts per Foam, 300 parts Stack, 900 parts per Carton.						

<b>RELIABILITY:</b>	
Thermal Operating Temperature Test	240 hours continuous operation at <b>Rated Power</b> , at <b>Maximum Rated Operating Temperature</b> *
	240 hours continuous operation at <b>Rated Power</b> , at <b>Minimum Rated Operating Temperature</b> *
Thermal Storage Temperature Test	After parts are subjected to <b>240 hours</b> storage at <b>Maximum Rated Storage Temperatures</b> *
	After parts are subjected to <b>240 hours</b> storage at <b>Minimum Rated Storage Temperatures</b> *
Thermal Shock Test	After parts are subjected to five (5) cycles of <b>Minimum and Maximum Operating Temperature</b> . Each cycle shall be set per diagram below and is three (3) hours long * <div style="text-align: right;">  </div>
Humidity Test	After parts are subjected to <b>240 Hours</b> at +40°C±2°C. 90-95% RH *
Operation Life Test	Must perform normal with program White Noise source at <b>Rated Power</b> for <b>100 Hours</b> per (EIA)
Vibration Test	After parts are subjected to 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	After parts are subjected to dropped naturally from 1 meter height onto the surface of 40 mm wooden board, 3 axes (X,Y,Z) directions, 3 times (6 times total) *
Reliability Test Performance *	<b>Parts should conform to original performance within ±5 dB tested with Rated Power, after 3 hours of recovery period</b>
Warranty	For a period of one (1) year from date of shipping under normal operations conditions

<b>Performance Curve:</b> Sound Pressure Level & Current Vs. Input Voltage	<b>Dimensions:</b> Units in: mm Tolerance: ±0.5mm
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