



PRODUCT INFORMATION



Abbreviated Part#: CECB225-408
FULL PART #: CECB225W145-408C400PR

Revision: 2-2012

Mechanical Buzzer



DESCRIPTION:

Challenge Electronics Mechanical Buzzer, 22.5 mm Long, 16.0 mm Wide, W Type Housing, 14.5 mm High, 4 to 8 Vdc Operating Voltage, Continuous Tone, Medium Loud, 400 Hz. sound frequency, PCB mounted, Terminated with 4 PC Pins, RoHS Lead Free Compliance

FEATURES:

- RoHS, Lead Free Compliant
- ISO 9001 & QS900 Certified

SPECIFICATIONS:

Sound Type	Continuous			Rate		
Operating Voltage	4-8 Vdc	Rated Voltage	6 Vdc	Maximum Current at Rated Voltage		
Sound Pressure Level	75 dB(A), at rated Voltage and 20 cm			Resonant Frequency		
Operating Temperature	-30 °C to + 70°C			Storage Temperature		
Termination	Four PC Pins, 0.6mm diameter each, 4.5mm 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						

RELIABILITY:

Thermal Operating Temperature Test	240 hours continuous operation at Rated Power , at Maximum Rated Operating Temperature *	
	240 hours continuous operation at Rated Power , at Minimum Rated Operating Temperature *	
Thermal Storage Temperature Test	After parts are subjected to 240 hours storage at Maximum Rated Storage Temperatures *	
	After parts are subjected to 240 hours storage at Minimum Rated Storage Temperatures *	
Thermal Shock Test	After parts are subjected to five (5) cycles of Minimum and Maximum Operating Temperature . Each cycle shall be set per diagram below and is three (3) hours long *	<p style="text-align: center;">SINGLE CYCLE</p> <p style="text-align: center;">Maximum °C</p> <p style="text-align: center;">25°C</p> <p style="text-align: center;">Minutes</p> <p style="text-align: center;">15 30 45 60 90 120 150 180 210</p> <p style="text-align: center;">Minimum °C</p>
Humidity Test	After parts are subjected to 240 Hours at +40°C±2°C. 90-95% RH *	
Operation Life Test	Must perform normal with program White Noise source at Rated Power for 100 Hours 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 *	Parts should conform to original performance within ±5 dB tested with Rated Power, after 3 hours of recovery period	
Warranty	For a period of one (1) year from date of shipping under normal operations conditions	

Performance Curve:

Sound Pressure Level & Current Vs. Input Voltage

Dimensions:

Units in: mm Tolerance: ±0.5mm



Challenge Electronics
95 East Jefryn Boulevard
Deer Park, NY 11729

Tel: 1-800-722-8197
1-631-595-2217
Fax: 1-631-667-5484

EMAIL: SALES@CHALLELEC.COM
WEB: WWW.CHALLEEELECTRONICS.COM

