



PRODUCT INFORMATION

Abbreviated Part #:	CEMB260-408	Revision: 2-2012
PART #:	CEMB260W197-408C400PR	



Mechanical Buzzer



DESCRIPTION	FEATURES
Challenge Electronics Mechanical Buzzer, 26.0 mm Long, 26.0 mm Wide, W Type Housing, 19.7 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	<ul style="list-style-type: none"> • RoHS, Lead Free Compliant • ISO 9001 & QS900 Certified

SPECIFICATIONS	
Sound Type	Continuous
Operating Voltage	4 - 8 Vdc
Rated Voltage	6 Vdc
Maximum Current at Rated Voltage	50 mA
Sound Pressure Level	95 dB(A), at rated Voltage and 10 cm
Resonant Frequency	400 ± 100 Hz.
Operating Temperature	-30 °C to + 70°C
Storage Temperature	-40 °C to + 85°C
Termination	Four PC Pins, 1.0mm diameter, 8mm long, Copper or Bronze.
Material	NORYL, Plastic
Color	Black
Dimensions	Long (L) 26.0 mm, Width (W) 26.0 mm, Height (H) 19.7 mm
Approximate Weight	17 grams
Mounting	PCB
Compliance	RoHS Lead Free
Packaging	30 parts per Styrofoam, 360 parts per Carton

RELIABILITY	
Thermal Operating Temperature Test	240 hours continuous operation at Rated Power, at Maximum Rated Operating Temperature *
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Thermal Storage Temperature Test	240 hours storage at Maximum Rated Storage Temperatures *
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Thermal Shock Test	<p>(5) cycles of Minimum and Maximum Operating Temperature</p> <p>Each cycle shall be set per diagram below and is three (3) hours long *</p>
Humidity Test	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 (9 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:	DIMENSIONS: Units in: mm Tolerance: ±0.5mm