



PRODUCT INFORMATION

Abbreviated Part #:	CEMB400-408	Revision: 2-2012
PART #:	CEMB400Y195-408C400TR	

	<h2>Mechanical Buzzer</h2>	
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DESCRIPTION	FEATURES
Challenge Electronics Mechanical Buzzer, 40.0 mm Long, 26.0 mm Wide, Y Type Housing, 19.5 mm High, 4 to 8 Vdc Operating Voltage, Continuous Tone, Medium Loud, 400 Hz. sound frequency, T Solder Blades Termination, RoHS Lead Free Compliance	<ul style="list-style-type: none"> RoHS, Lead Free Compliant ISO 9001 Certified

SPECIFICATIONS										
Sound Type	Continuous				Rate					
Operating Voltage	4 - 8 Vdc	Rated Voltage	6 Vdc	Maximum Current at Rated Voltage	65 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	Two (2), Solder Blades, 2.6 mm wide, Brass									
Material	NORYL, Plastic								Color	BLACK
Dimensions	Long (L)	40.0 mm	Wide (W)	26.0 mm	Height (H)	19.5 mm	Mounting Holes distance	32.0 mm		
Approximate Weight	10 grams	Mounting	Flange Panel with 2 screws	Compliance	RoHS Lead Free					
Packaging	25 parts per Styrofoam, 500 parts per Carton									

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	240 hours storage at Maximum Rated Storage Temperatures * 240 hours storage at Minimum Rated Storage Temperatures *
Thermal Shock Test	<p>(5) cycles of Minimum and Maximum Operating Temperature 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