



PRODUCT INFORMATION

Abbreviated Part #:	CEMB335-915	Revision: 2-2012
PART #:	CEMB335Y155-915C400W120R	



Mechanical Buzzer



DESCRIPTION	FEATURES
Challenge Electronics Mechanical Buzzer, 33.5 mm Long, 17.0 mm Wide, Y Type Housing, 15.5 mm High, 9 to 15 Vdc Operating Voltage, Continuous Tone, Medium Loud, 400 Hz. sound frequency, Wire Leads 26 AWG 120 mm Long color coded 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	9 - 15 Vdc	Rated Voltage	12 Vdc	Maximum Current at Rated Voltage	25 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	Wire leads, 26 AWG, UL 1095, 4.72" (120mm) Long, Striped 0.196" (5.0mm), Color Coded: Red = Positive, Black Stripe = Negative							
Material	ABS, Plastic				Color	Black		
Dimensions	Long (L)	33.5 mm	Wide (W)	17.0 mm	Height (H)	15.5 mm	Mounting Holes distance	27.5 mm
Approximate Weight	10 grams	Mounting	Flange Panel with 2 screws		Compliance	RoHS Lead Free		
Packaging	30 parts per Foam, 300 parts Stack, 900 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	(5) cycles of Minimum and Maximum Operating Temperature Each cycle shall be set per diagram below and is three (3) hours long *
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

The information contained herein is believed to be correct, but no guarantee or warranty, express or implied, with respect to accuracy, completeness or results is extended and no liability is assumed. Challenge Electronics reserves the right to make changes in any specification, data or material contained herein.