



PRODUCT INFORMATION

Abbreviated Part #:		CEMB260I-408				Revision: 3-2012	
PART #:		CEMB260I176-408C400W150R					
		Mechanical Buzzer					
DESCRIPTION				FEATURES			
Challenge Electronics Mechanical Buzzer, 26.4 mm Long, 26.0 mm Wide, W Type Housing, 17.6 mm High, 4 to 8 Vdc Operating Voltage, Continuous Tone, Medium Loud, 400 Hz. sound frequency, PCB mounted, Wire Leads 28 AWG 150 mm Long color coded Termination, RoHS Lead Free Compliance				<ul style="list-style-type: none"> • 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		33 mA
Sound Pressure Level		95 dB(A), at rated Voltage and 30 cm			Resonant Frequency		400 ± 100 Hz.
Operating Temperature		-20 °C to + 60°C			Storage Temperature		-30 °C to + 70°C
Termination		Wire leads, 28 AWG, UL 1007, 5.9" (150 mm) Long, Striped 0.196" (5.0 mm). Color Coded: Red = Positive, Black Stripe = Negative					
Material		NORYL, Plastic				Color	Black
Dimensions		Long (L)	41.0 mm	Width (W)	26.4 mm	Height (H)	17.6 mm
Approximate Weight		17 grams	Mounting	Flange Panel with 2 screws	Compliance	RoHS Lead Free	
Packaging		35 parts per Foam, 350 parts Stack, 700 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			

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