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PRODUCT INFORMATION

Abbreviated Part #:	**CEMB335-527**
PART #:	**CEMB335Y155-527C400W120R**

Revision: 2-2012

Lead Free RoHS COMPLIANCE

Mechanical Buzzer

DESCRIPTION

Challenge Electronics Mechanical Buzzer, 33.5 mm Long, 17.0 mm Wide, Y Type Housing, 15.5 mm High, 15 to 27 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

FEATURES

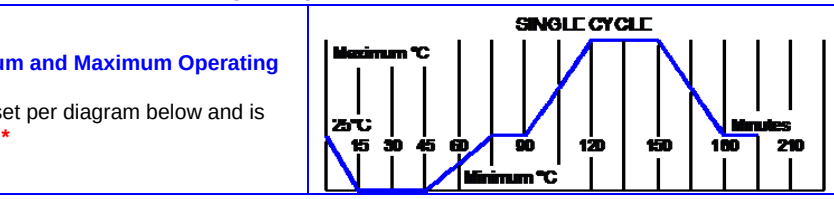
- **RoHS, Lead Free Compliant**
- **ISO 9001 Certified**

SPECIFICATIONS

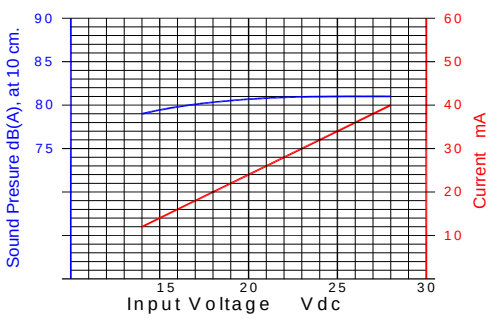
Sound Type	**Continuous**			**Rate**			
Operating Voltage	**15 - 27 Vdc**	**Rated Voltage**	**24 Vdc**	**Maximum Current at Rated Voltage**		**30 mA**	
Sound Pressure Level	**75 dB(A), at rated Voltage and 20 cm**			**Resonant Frequency**		**400 ± 100 Hz.**	
Operating Temperature	**-30ºC to + 70ºC**			**Storage Temperature**		**-40ºC to + 85ºC**	
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

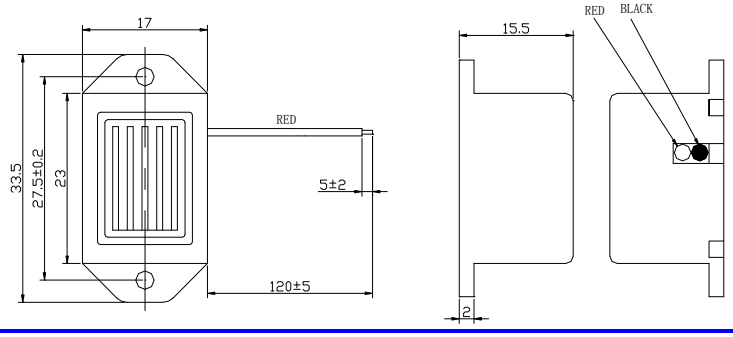
Thermal Operating Temperature Test	**240 hours** continuous operation **at Rated Power**, at **Maximum Rated Operating Temperature** *
	240 hours continuous operation **at Rated Power**, at **Minimum Rated Operating Temperature** *
Thermal Storage Temperature Test	**240 hours** storage at **Maximum Rated Storage Temperatures** *
	240 hours storage at **Minimum Rated Storage Temperatures** *
Thermal Shock Test	**(5) cycles** of **Minimum and Maximum Operating Temperature** Each cycle shell 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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