



PRODUCT INFORMATION



PART #: CEMB128M070-05C24MLR

Revision: 0-2012

SMD ELECTRO-MAGNETIC BUZZER



DESCRIPTION:

SMD Electro-Magnetic Buzzer, Operating Voltage 5Vdc, Resonant Frequency of 2400 ± 400 Hz Sound Pressure level minimum of 85dB(A), at 5Vdc, at 10 cm.

FEATURES:

- RoHS Compliant
- ISO 9001 & TS16949 Certified

SPECIFICATIONS:

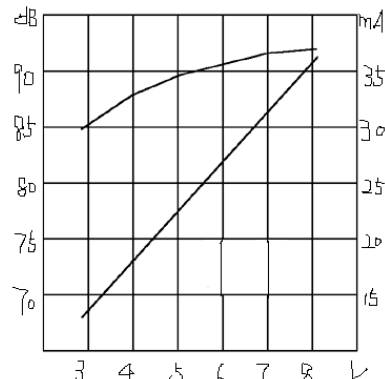
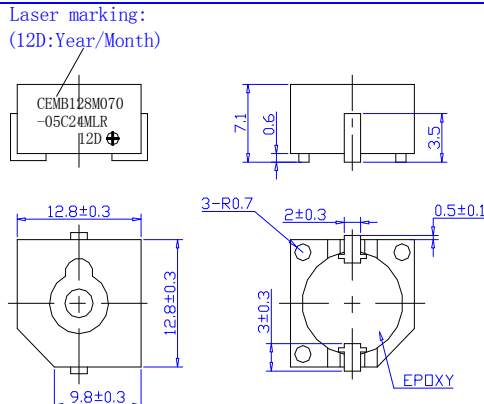
Resonant Frequency:	2400± 400 Hz.						
Operating Voltage:	4 - 7 Vdc		Nominal Rated Voltage:	5Vdc			
Sound Pressure Level:	85dB(A), at: Nominal rated Voltage, Resonant Frequency, 10 cm						
Operating Current :	30mA, at: Nominal rated Voltage, Resonant Frequency						
Operating Temperature:	-30°C to +85 °C		Storage Temperature:	-40°C to + 90°C			
Termination:	SMD, 2 soldering pins, Sn plated Brass						
Material :	Housing	Case-- Plastic, PPS A7-03A				Color:	Gray
	Diaphragm:	Diaphragm-- Ni Alloy Disc N50					
	Encapsulation:	Epoxy Potting					
Physical Dimensions:	Length or Diameter (L /D):	12.8mm	Width (W):	12.8mm	Height (H):	7.1mm	
Compliance:	RoHS		Removable Washing Label:	Yes		Weight:	2.2grams
Packaging:	450 Pcs per tape and Reel, 4500Pcs per Carton.						

RELIABILITY: Parts should conform to original performance within ± 5 dB, after 3 hours of recovery period.

Thermal Operating Cycle Test:	96 hours continuous operation, at Nominal Voltage, each at Minimum & Maximum Rated Operating Temperatures
Thermal Storage Cycle Test:	96 hours each at Minimum & Maximum rated Storage Temperatures, NO power applied
Thermal Shock Test:	Put in Minimum Operating Temperature for 1 hour than move to +20°C for 5 minutes than at Maximum Operating Temperature for 1 hour. Then back to +20°C 5 minutes Repeat for 5 cycles.
Humidity Test:	96Hours at +60°C±2°C. 90-95% RH
Vibration Test:	Two (2) Hours at 0.75mm with 10 to 55Hz. of vibration frequency to each of 3 perpendicular directions
Termination Strength:	Maximum of 9.8 N load pull test, applied to each terminal in axial direction for 10 second
Drop Test:	Dropped naturally from 700mm height onto the surface of 10mm wooden board, 2 directions— upper and side of the part are applied
Reflow:	5 passes through reflow oven, with microphone mounted upside-down under conditions of 260°C for 30 seconds maximum.
Life Test:	96 hours of continuous operation, at Nominal Voltage, each at Minimum & Maximum Rated Operating Temperatures. And, 96 hours of: 1 minute ON 4 minutes OFF cycle, at Room Temperature, and Maximum Rated Voltage.
Warranty:	For a period of one (1) year from date of manufacture under normal operating conditions

Dimensions: Units in: mm Tolerance: ± 0.5 mm

SPL and Current vs. Input Voltage Response:



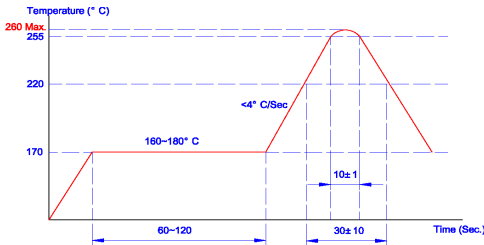


Recommended Land Pattern:

Storage:

- Shelf life:** Twelve (12) months when devices are to be stored in factory supplied unopened ESD moisture sensitive bag under maximum environmental conditions of 30°C, 70% R.H.
- Exposure:** Devices should not be exposed to high humidity high temperature environment. MSL (moisture sensitivity level) Class 2.

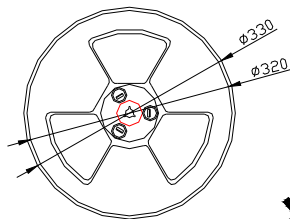
Solder Reflow Profile:



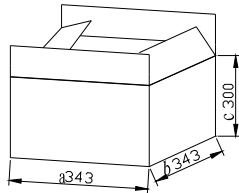
Stage	Temperature Profile	Maximum Time
Pre-heat	160~180°C	60-120 sec
Solder Melt	Above 220°C	30±10 sec
Peak	260°C Maximum	
Cool Down		30±10 sec
Total Duration Period		10±1 Minutes Maximum

Packaging:

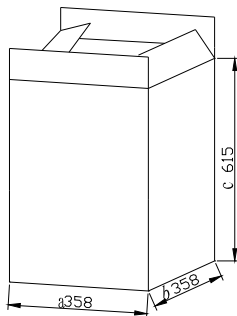
Tape & Reel: (Units in: mm)



每盘装: 450PCS



每箱装: 450X5=2250PCS



外箱: 358X358X615 mm;
每箱装: 4500PCS

