



# Magnetic Buzzer

**Ø12.0 × 7.5 mm**

**With pin**

**CC12M075P-3100**

## Revision

<b>Date</b>	<b>Version</b>	<b>Status</b>	<b>Changes</b>	<b>Approver</b>
2019/2/1	V0.1	Draft	First release	AX

## Specifications

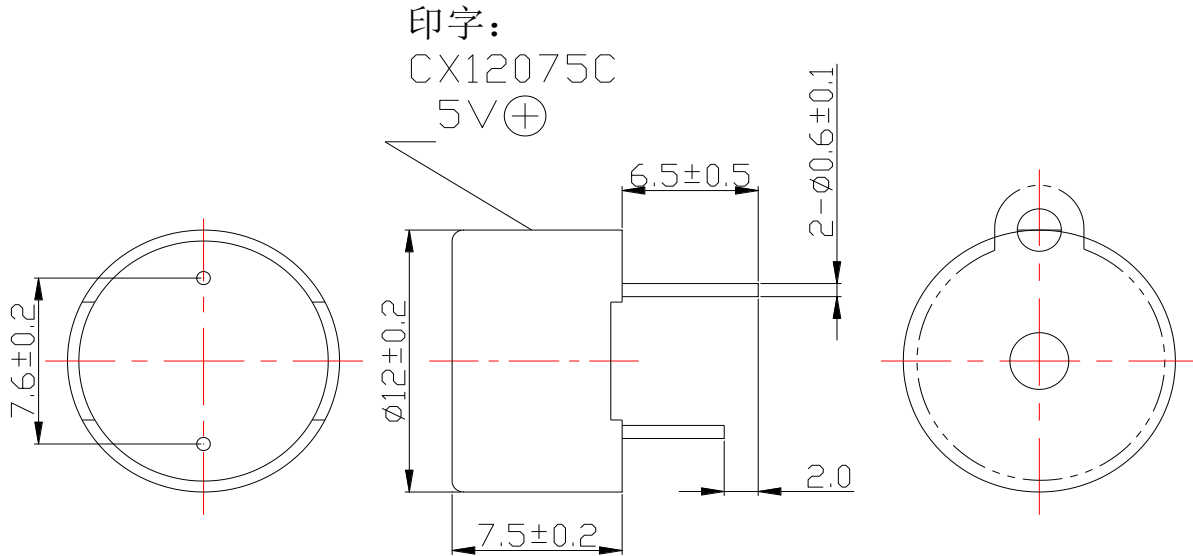
Parameter	Conditions/Description	Values	Units
Oscillation Frequency		3100±300	Hz
Operating Voltage		3-7	Vdc
Rated Voltage		5	Vdc
Current Consumption	at Rated Voltage	MAX. 30	mA
Sound Pressure Level	at 10cm at Rated Voltage	MIN. 85	dB
Operating Temperature		-20~ +60	°C
Storage Temperature		-30 ~ +70	°C
Dimension	See appearance drawing	Φ12x H7.5	mm
Environmental Protection Regulation		RoHS	
Housing		MPPO (BLACK)	

Notes: All specifications measured at 5~35°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

## MECHANICAL DRAWING

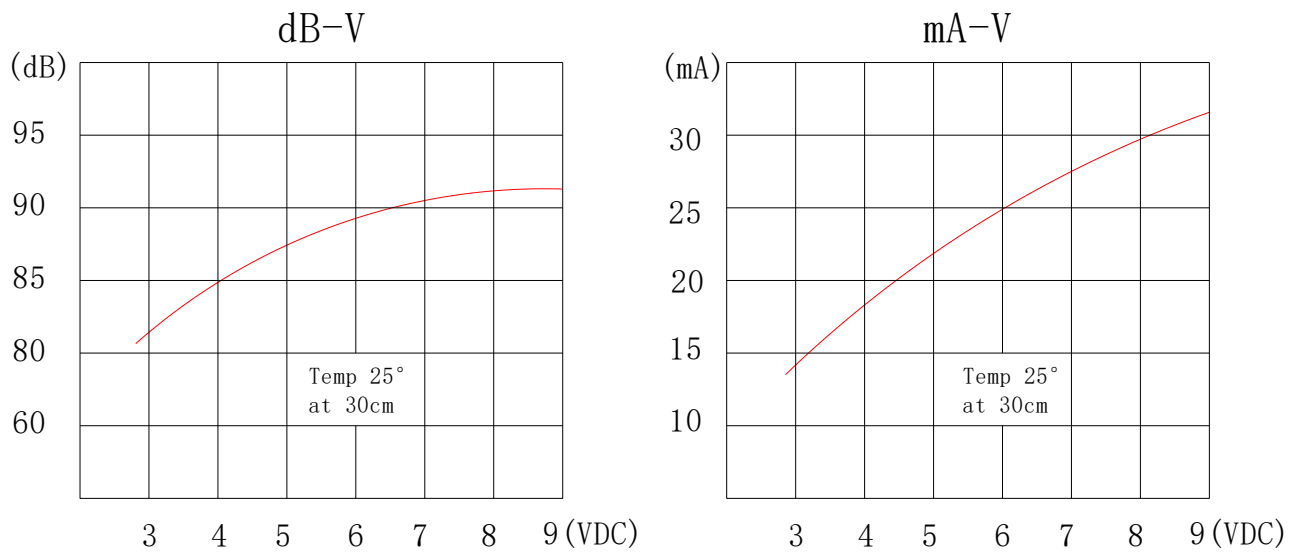
Units: mm

Tolerance:  $\pm 0.5\text{mm}$

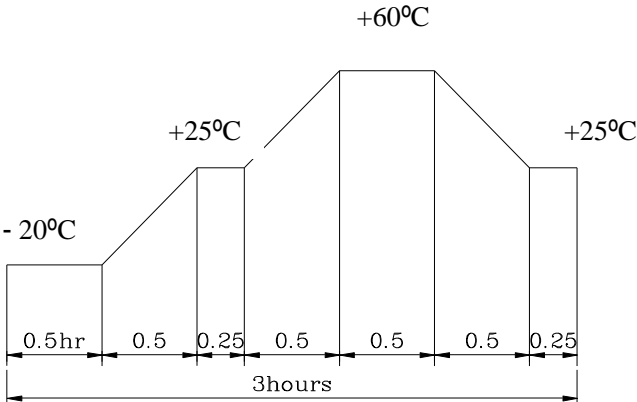


## RESPONSE CURVES

### Typical Frequency Response



**RELIABILITY TEST**

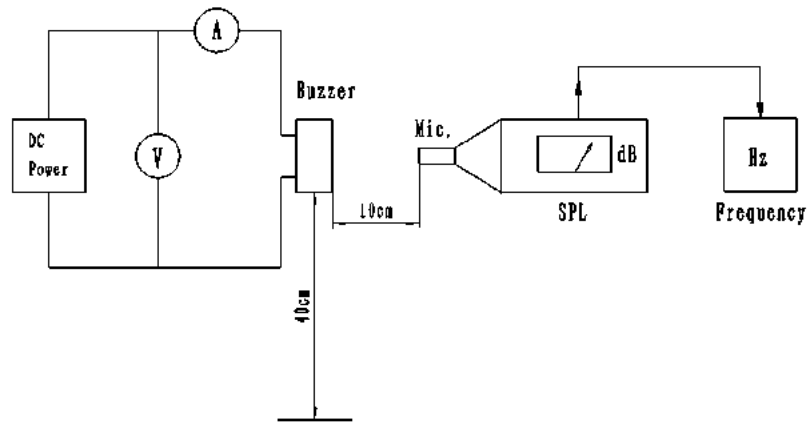
1	High Temperature Test (Storage)	After being placed in a chamber with 70 ± 2 °C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.
2	Low Temperature Test (Storage)	After being Placed in a chamber with -30 ± 2 °C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.
3	Humidity Test	After being Placed in a chamber with 90-95% R.H. at 40 ± 2 °C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.
4	Temperature Cycle Test	<p>The part shall be subjected to 5 cycles. One cycle shall be consist of :</p>  <p>The diagram illustrates a temperature cycle over a total duration of 3 hours. It starts at -20°C for a 0.5-hour dwell. The temperature then rises to +25°C over a 0.5-hour ramp, followed by a 0.25-hour dwell at +25°C. The temperature then rises to +60°C over a 0.5-hour ramp, followed by a 0.5-hour dwell at +60°C. The temperature then falls back to +25°C over a 0.5-hour ramp, followed by a 0.25-hour dwell at +25°C. The total cycle duration is 3 hours.</p>
5	Drop Test	Drop on a hard wood board of 4cm thick, any directions ,6 times, at the height of 75cm . Allowable variation of SPL after test: 10dB.
6	Vibration Test	After being applied vibration of amplitude of 1.5mm with 10 to 55 Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours .
7	Solderability Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of +300 ± 5 °C for 3 ± 1 seconds . 90% min. lead terminals shall be wet with solder
8	Terminal Strength Pulling Test	The force of 9.8N(1.0kg) is applied to each terminal in axial direction for 10 seconds. No visible damage and cutting off.

## MEASURING METHOD

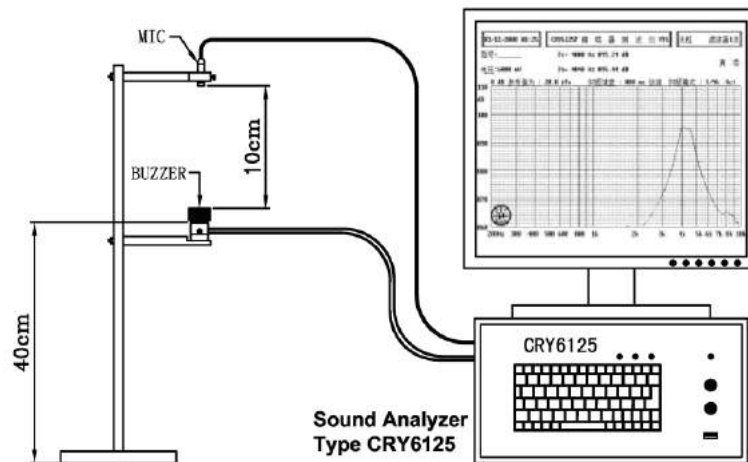
### Standard Measurement conditions

Temperature:  $25 \pm 2^\circ\text{C}$  Humidity: 45-65%

### Recommended Setting

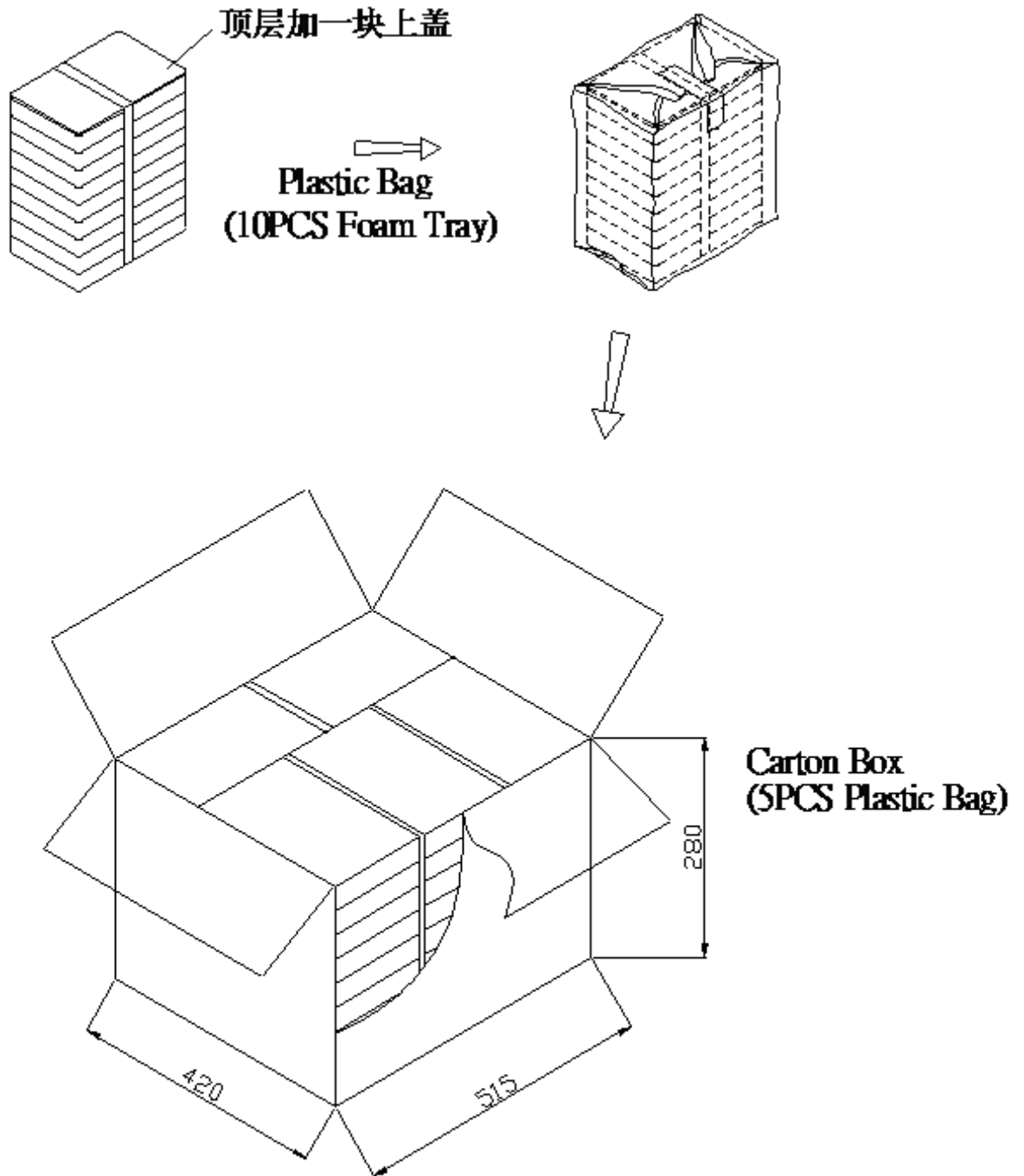


### Recommended Test Circuit



# PACKAGING

units: mm



Foam Tray	240mmx160mm	1x100PCS=100PCS
Plastic Bag		10x100PCS=1000PCS
Carton Box	420mmx515mmx280mm	5x1000PCS=5000PCS