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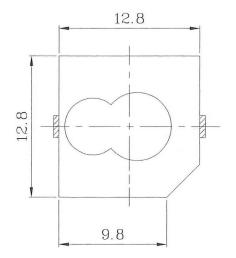
PART NUMBER: CT-1205CL DESCRIPTION: magnetic buzzer

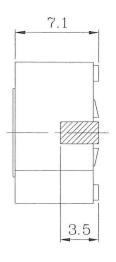
# **SPECIFICATIONS**

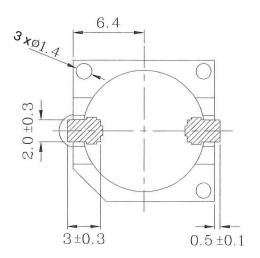
5 V dc	
4 ~ 7 V dc	
30 mA max.	
88 dBA min. (92 typ.)	at a distance of 10 cm (A-weight free air) and 5 V dc
2400 Hz ±400 Hz	
-30 ~ +70° C	
-40 ~ +85° C	
L12.8 x W12.8 x H7.1 mm	
2.0 g max.	
PPS	
SMD type (Sn Plating)	
yes	
	4 ~ 7 V dc 30 mA max. 88 dBA min. (92 typ.) 2400 Hz ±400 Hz -30 ~ +70° C -40 ~ +85° C L12.8 x W12.8 x H7.1 mm 2.0 g max. PPS SMD type (Sn Plating)

## **APPEARANCE DRAWING**

tolerance: ±0.5









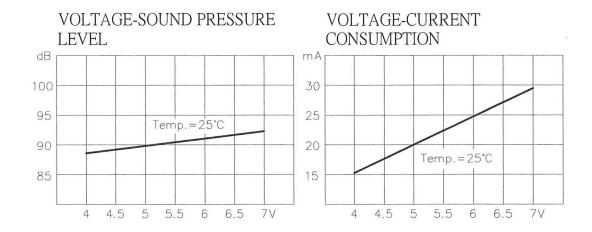


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## **VOLTAGE: SOUND PRESSURE LEVEL / CURRENT CONSUMPTION**



### **MEASUREMENT METHOD**



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## **MECHANICAL CHARACTERISTICS**

item	test condition	evaluation standard
solderability	Lead terminals are immersed in solder bath	95% of the surface of the lead
•	of 270 ±5°C for 3 ±1 seconds.	pads will be wet with solder.
soldering heat resistance	The product should follow the reflow	
	temperature curve to test its reflow thermo	No interference in operation.
	stability.	
terminal mechanical strength	For 10 seconds, the force of 9.8N (1.0kg) is	No damage or cutting off.
	applied to each terminal in axial direction.	
vibration	The buzzer will be measured after applying	
	a vibration amplitude of 1.5 mm with 10 to	After the test, the part will meet
	55 Hz band of vibration frequency to each of	specifications without any
	the 3 perpendicular directions for 2 hours.	damage in appearance and the
drop test	The part will be dropped from a height of	SPL should be within ±10% of the
	75 cm onto a 40 mm thick wooden board 3	initial measurements.
	times in 3 axes (X, Y, Z) for a total of 9 drops.	

#### **ENVIRONMENT TEST**

item	test condition	evaluation standard
high temp. test	After being placed in a chamber at +85°C for 96 hours.	
low temp. test	After being placed in a chamber at -40°C for 96 hours.	
thermal shock	The part shall be subjected to 10 cycles. One cycle will consist of:	
	+85°C -40°C 30 min. 30 min. 60 min.	After the test, the part will meet specifications without any damage in appearance except SPL. After 4 hours at 25°C, SPL should be within ±10% of the initial measurements.
temp. cycle test	The part shall be subjected to 10 cycles. One cycle will last 24 hours and will consist of:  +85°C	



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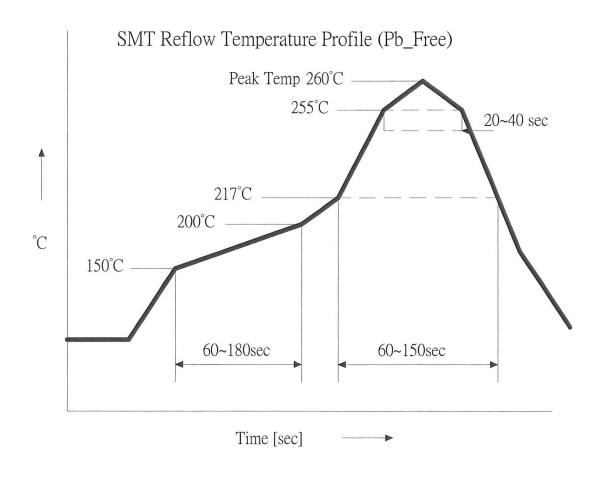
### **RELIABILITY TEST**

item	test condition	evaluation standard
operating (life test)	Continuous life test:	
	The part will be subjected to 72 hours of continuous operation at +55°C with	After the test, the part will meet specifications without any
	5 V applied.	damage in appearance except SPL. After 4 hours at 25°C, SPL
	2. Intermittent life test:	should be within ±10% of the
	A duty cycle of 1 minute on, 1 minute off, a minimum of 10,000 times at room temp	initial measurements.
	(+25 ±10°C) with 5 V dc applied.	

## **TEST CONDITIONS**

standard test condition	a) temperature: +5 ~ +35°C	b) humidity: 45 - 85%	c) pressure: 860-1060 mbar
judgement test condition	a) temperature: +25 ±2°C	b) humidity: 60 - 70%	c) pressure: 860-1060 mbar

### RECOMMENDED TEMPERATURE PROFILE FOR REFLOW OVEN

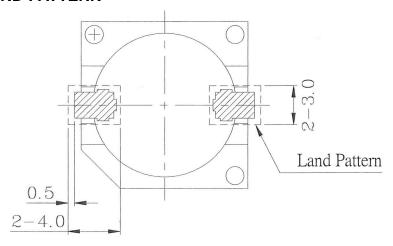


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## **RECOMMENDED LAND PATTERN**



### **PACKAGING**

