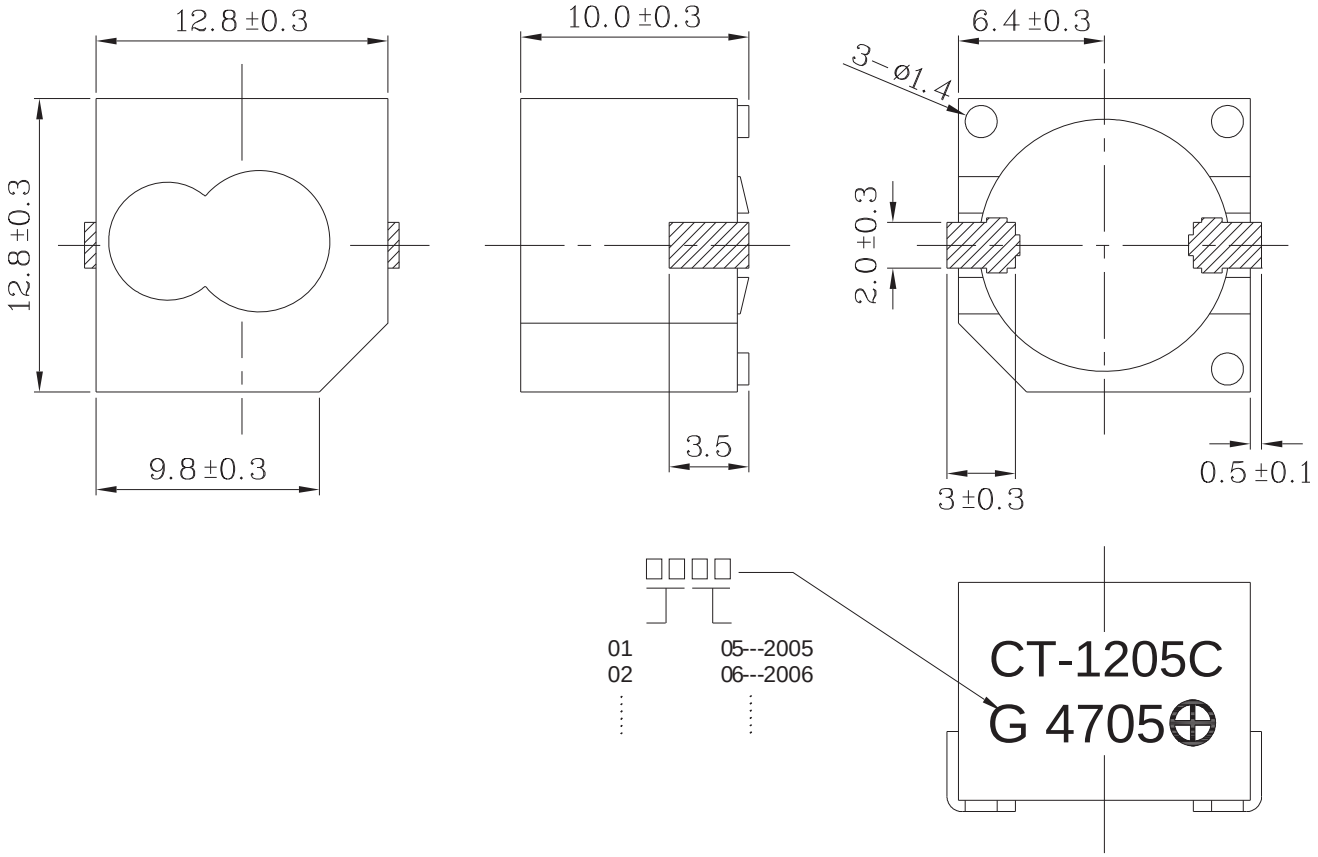
PART NUMBER: CT-1205C **DESCRIPTION:** magnetic buzzer

SPECIFICATIONS

resonant frequency	2400 ± 300 Hz	
rated voltage	5.0 V dc	
operating voltage	4.0 ~ 7.0 V dc	
current consumption	30 mA max.	
sound pressure level	90 db min. (94 typ.)	at 10 cm (A-weight free air) / 5 V dc
operating temperature	-30 ~ +70° C	
storage temperature	-40 ~ +85° C	
dimensions	L12.8 x W12.8 x H10.0 mm	
weight	2 g max.	
material	PPS (S-206)	
terminal	SMD type (Sn Plating)	
RoHS	yes	

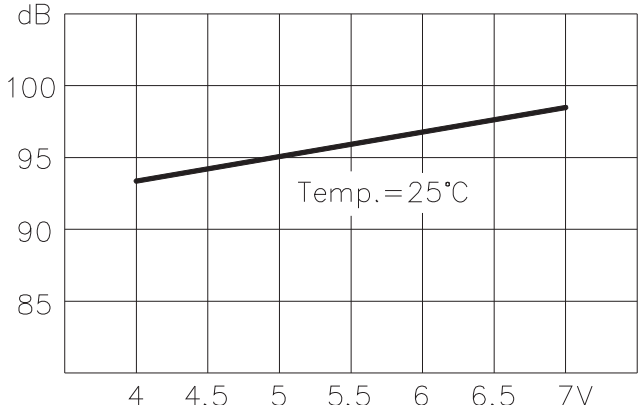
APPEARANCE DRAWING

tolerance: ±0.5

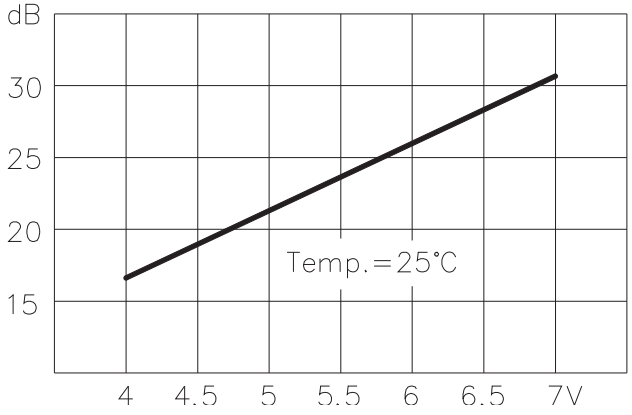


PART NUMBER: CT-1205C **DESCRIPTION:** magnetic buzzer

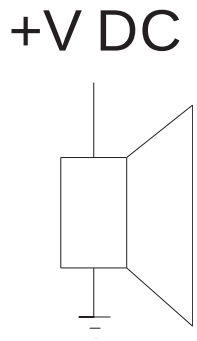
VOLTAGE-SOUND PRESSURE LEVEL



VOLTAGE-CURRENT CONSUMPTION



MEASUREMENT METHOD



MECHANICAL CHARACTERISTICS

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

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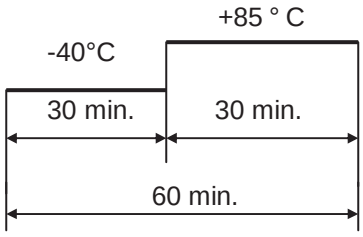
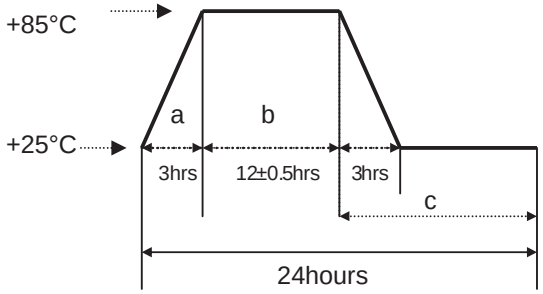
ENVIRONMENT TEST

item	test condition	evaluation standard
high temp. test	After being placed in a chamber at +85°C for 96 hours.	After the test, the part will meet specifications without any damage to its appearance and performance. After 4 hours at 25°C, the SPL should be within ±10dB compared with the initial measurement.
low temp. test	After being placed in a chamber at -40°C for 96 hours.	
thermal shock	The part will be subjected to 10 cycles. One cycle will consist of:  	
temp. cycle test	The part will be subjected to 10 cycles. One cycle will consist of:  a,b : 90~98%RH c : 80~98%RH	

RELIABILITY TEST

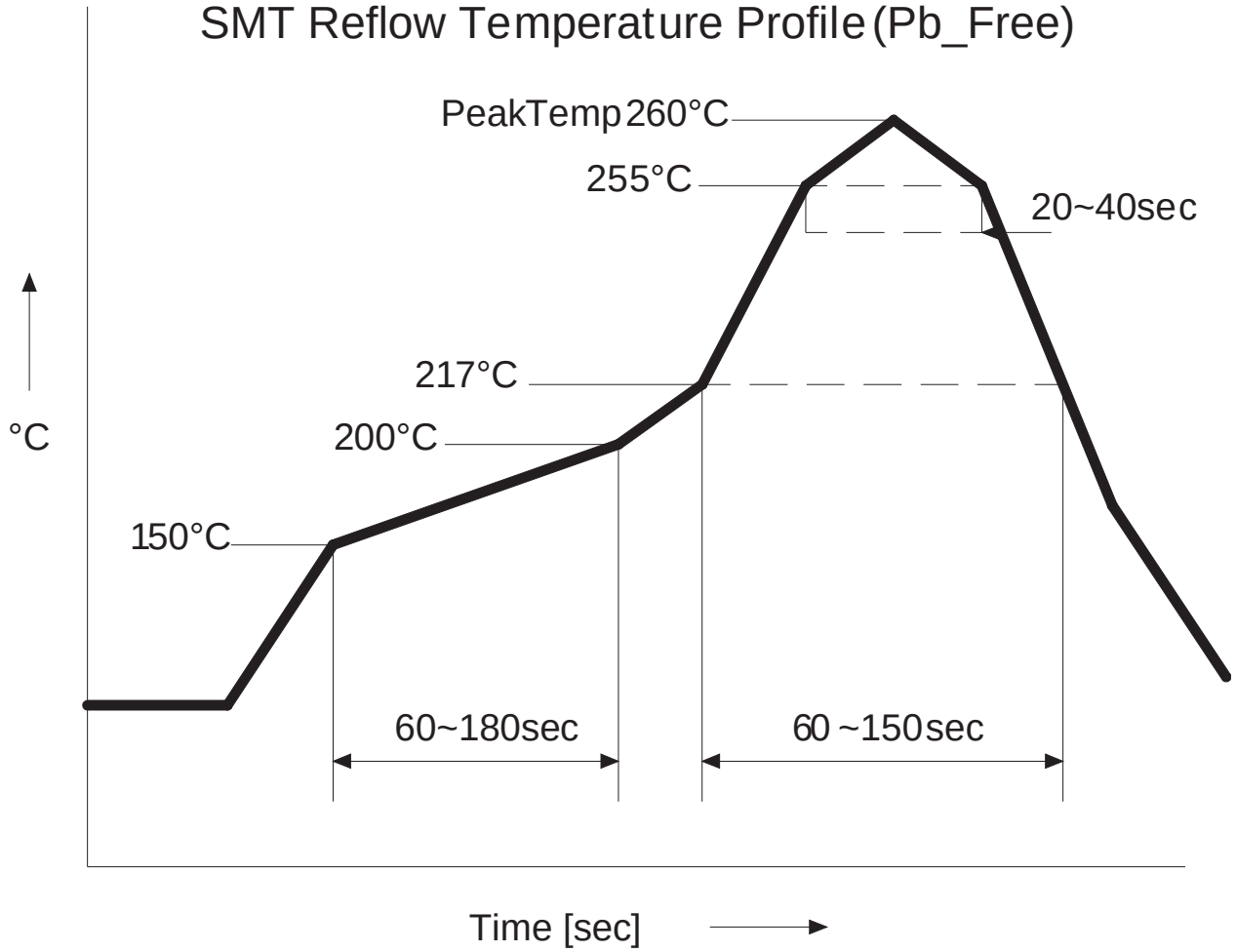
item	test condition	evaluation standard
operating (life test)	1. Continuous life test: The part will be subjected to 72 hours of continuous operation at +55°C with rated voltage applied. 2. Intermittent life test: A duty cycle of 1 minute on, 1 minute off, a minimum of 10,000 times at room temp (+25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

TEST CONDITIONS

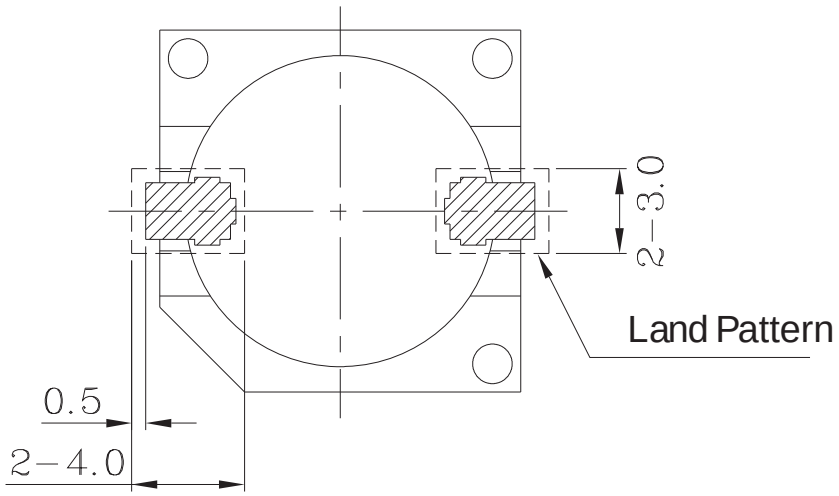
standard test condition	a) temperature: +5 ~ +35°C	b) humidity: 45 - 85%	c) pressure: 860-1060 mbar
judgement test condition	a) temperature: +25 ±2°C	b) humidity: 60 - 70%	c) pressure: 860-1060 mbar

PART NUMBER: CT-1205C **DESCRIPTION:** magnetic buzzer

RECOMMENDED TEMPERATURE PROFILE FOR REFLOW OVEN

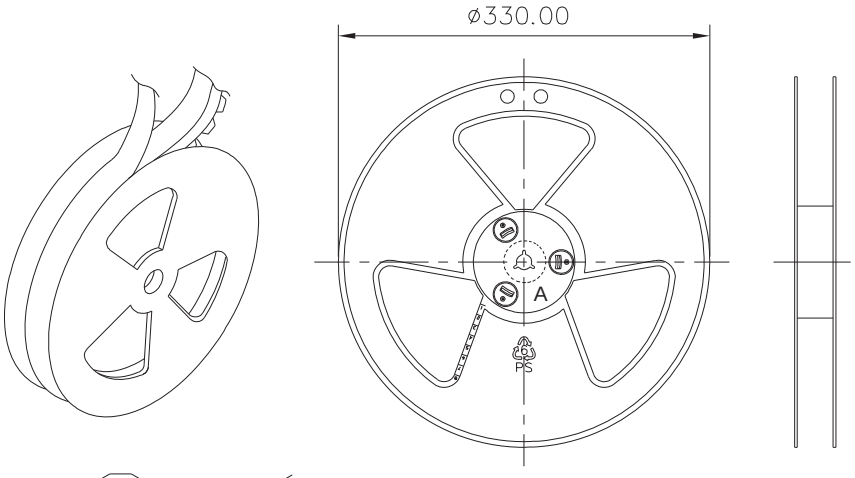


RECOMMENDED LAND PATTERN

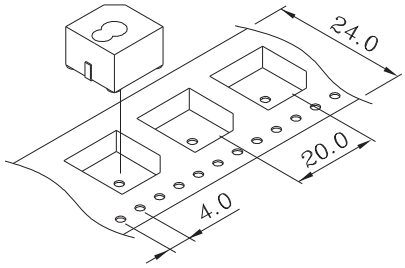


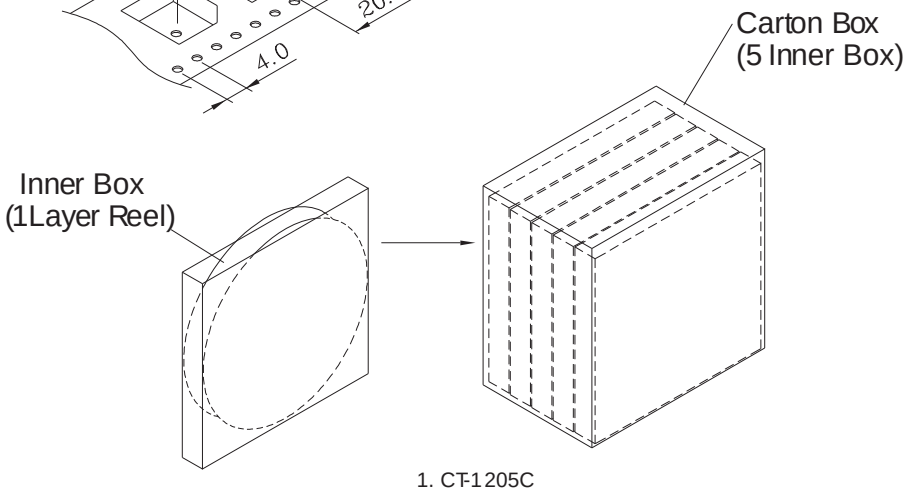
PART NUMBER: CT-1205C **DESCRIPTION:** magnetic buzzer

PACKAGING



1 Reel : 320PCS





1. CT-1205C

2. RoHS Compliant

Inner Box	340mm x 340mm x40mm	1x320PCS=320PCS
Carton Box	350mm x 175mm x355mm	5x320PCS =1,600PCS