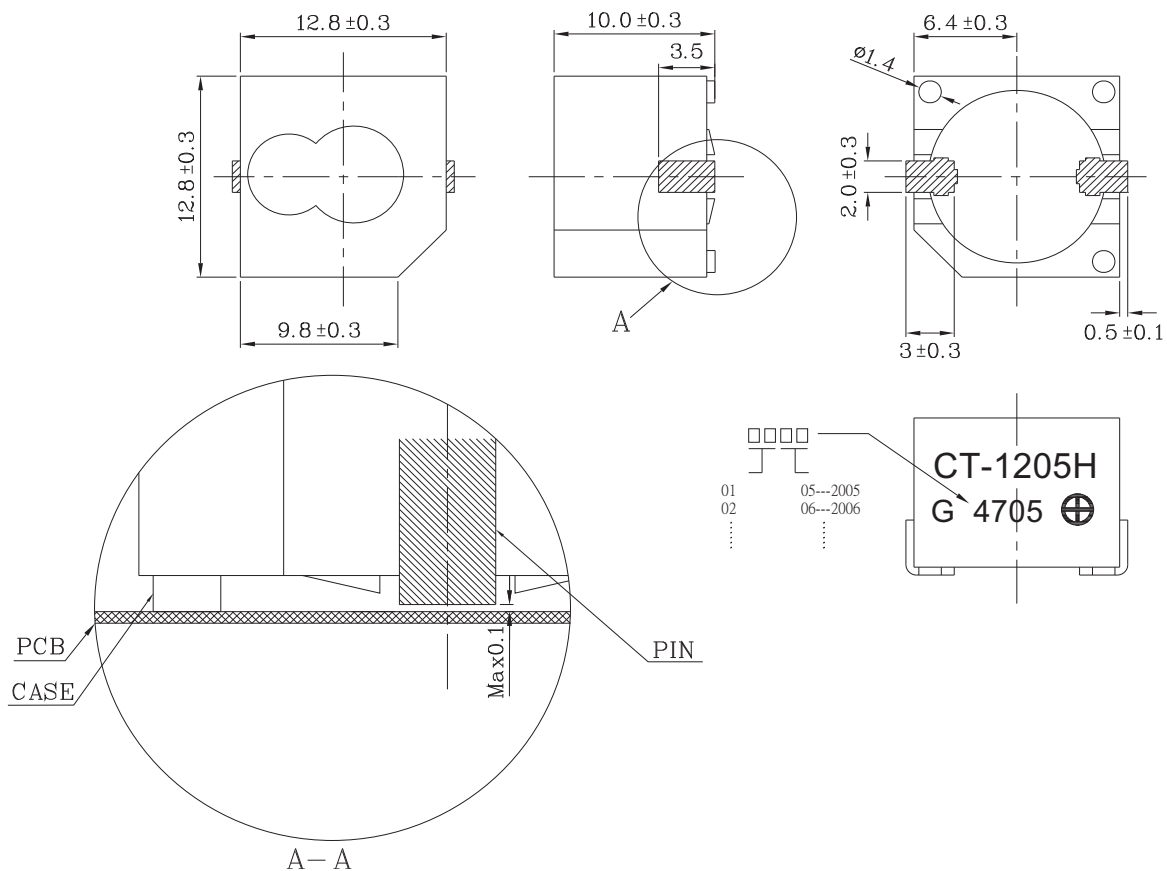


PART NUMBER: CT-1205H
DESCRIPTION: MAGNETIC BUZZER
SPECIFICATIONS

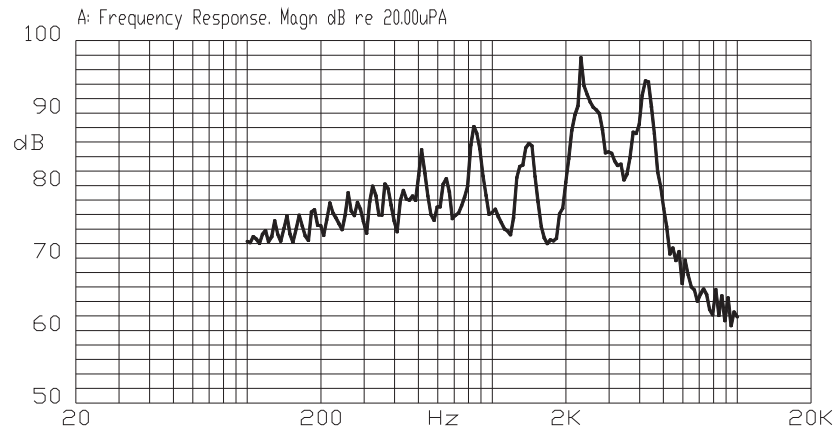
parameter	conditions/description	min	nom	max	units
rated voltage			5		V o-p
operating voltage		3		7	V o-p
current consumption	at rated voltage, 2,400 Hz square wave, ½ duty			60	mA
coil resistance		40	47	54	Ω
sound output	at 10 cm (A-weight free air), rated voltage, 2,400 Hz square wave, ½ duty	88	92		dBa
rated frequency			2,400		Hz
operating temperature		-30		70	°C
storage temperature		-40		85	°C
dimenstions	ø12.8 x W12.8 x H10 mm				
weight				2.0	g
material	PPS (S-206)				
terminal	SMD type (Sn plating)				
RoHS	yes				

APPEARANCE DRAWING


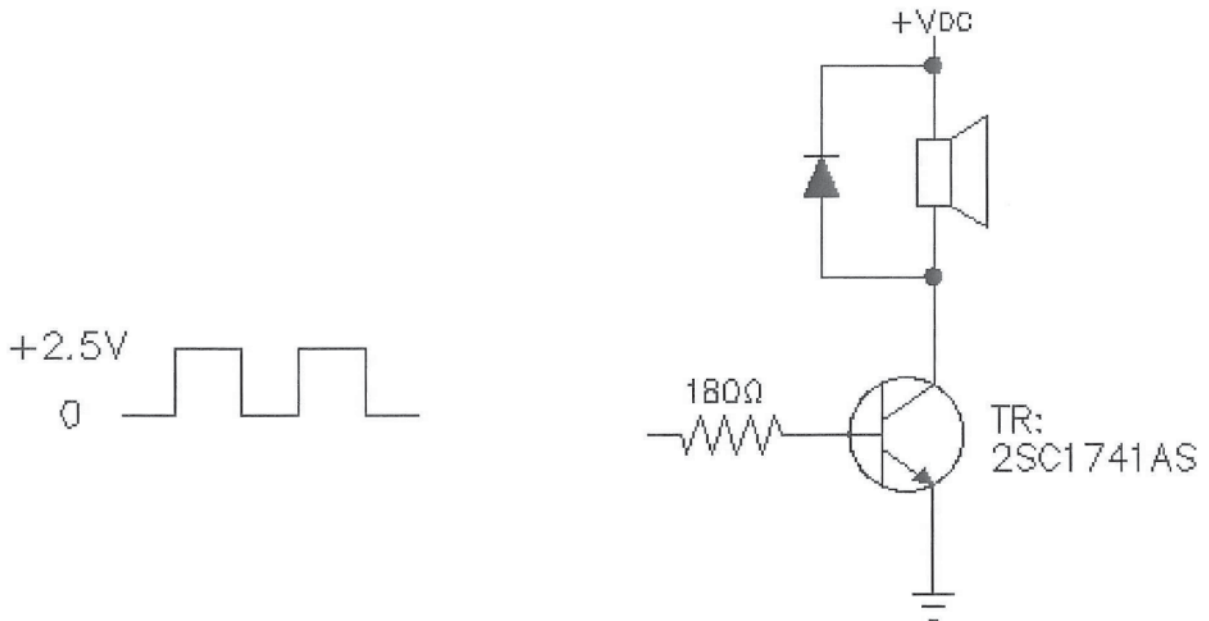
PART NUMBER: CT-1205H

DESCRIPTION: MAGNETIC BUZZER

FREQUENCY RESPONSE CURVE



MEASUREMENT METHOD

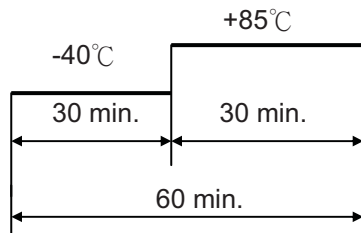
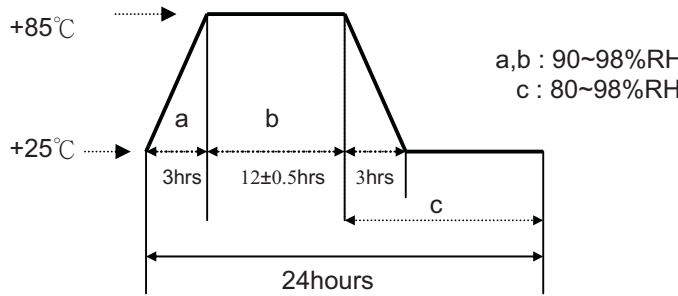


PART NUMBER: CT-1205H
DESCRIPTION: MAGNETIC BUZZER

MECHANICAL CHARACTERISTICS

item	test condition	evaluation standard
soldering	Lead terminals are immersed in a solder bath of $+270 \pm 5^{\circ}\text{C}$ for 3 ± 1 seconds.	90% min. of the lead terminals will be wet with solder.
soldering heat resistance	The product follows the reflow temperature curve to test its reflow thermo stability.	No interference in operation.
terminal mechanical strength	For 10 seconds, the force of 9.8 N (1.0 kg) is applied to each terminal in each axial direction.	No damage or cutting off
vibration test	The buzzer should be measured after a vibration amplitude of 1.5 mm with 10 ~ 55 Hz band of vibration frequency to each of the 3 perpendicular directions for 2 hours.	After any tests, the buzzer will meet specifications without any damage in appearance and the SPL should be within $\pm 10\%$ of the initial measurements.
drop test	The buzzer without packaging is subjected to 3 drops on each axis from the height of 75 cm onto a 40 mm thick wooden board.	

ENVIRONMENT TEST

item	test condition	evaluation standard
high temperature test	After being placed in a chamber at $+85^{\circ}\text{C}$ for 96 hours.	After any tests, the buzzer will meet specifications without any damage in appearance except SPL. After 4 hours, SPL should be within $\pm 10\%$ of the initial measurements.
low temperature test	After being placed in a chamber at -40°C for 96 hours.	
thermal shock test	The part will be subjected to 10 cycles. One cycle will consist of: <div style="text-align: center;">  </div>	
temperature cycle test	The part will be subjected to 10 cycles. One cycle will consist of: <div style="text-align: center;">  </div>	

PART NUMBER: CT-1205H
DESCRIPTION: MAGNETIC BUZZER

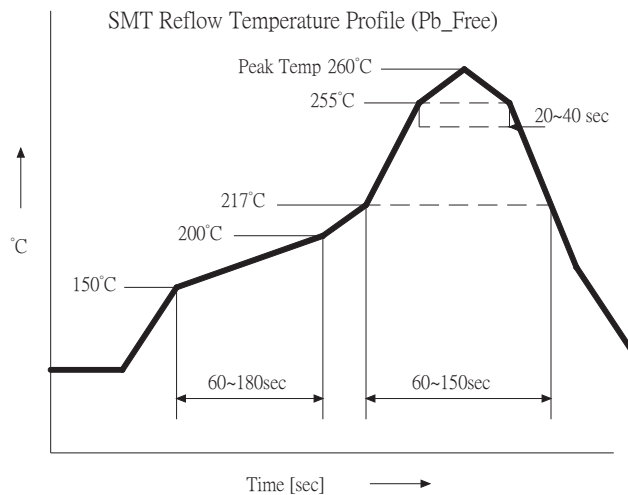
MECHANICAL CHARACTERISTICS

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 5 V, 2,400 Hz 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 5 V, 2,400 Hz applied.	After any tests, the buzzer will meet specifications without any damage in appearance except SPL. After 4 hours, SPL should be within ±10% of the initial measurements.

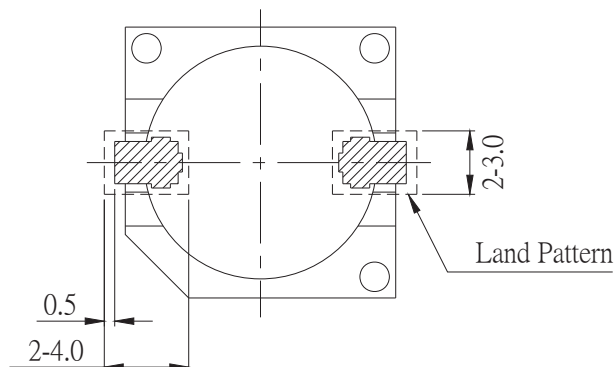
TEST CONDITIONS

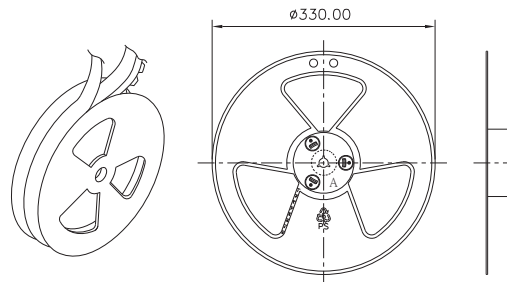
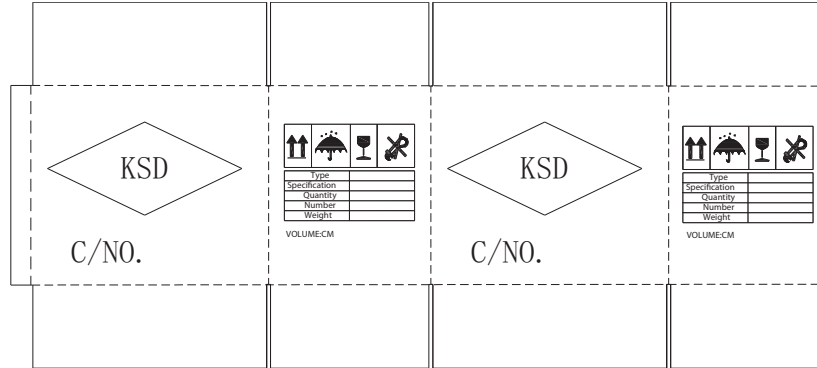
standard test conditions	a) Temperature: +5 ~ +35°C	b) Humidity: 45 ~ 85%	c) Pressure: 860 ~ 1060 mbar
judgement test conditions	a) Temperature: +25 ±2°C	b) Humidity: 60 ~ 70%	c) Pressure: 860 ~ 1060 mbar

RECOMMENDED TEMPERATURE PROFILE FOR REFLOW OVEN

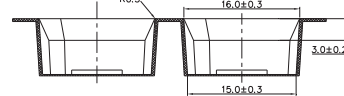
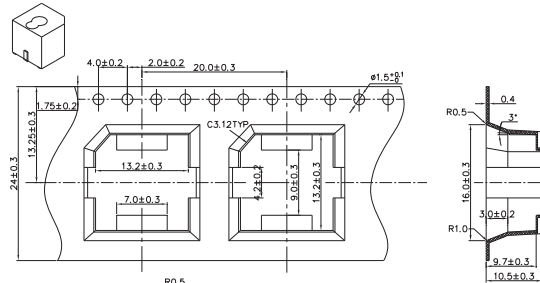


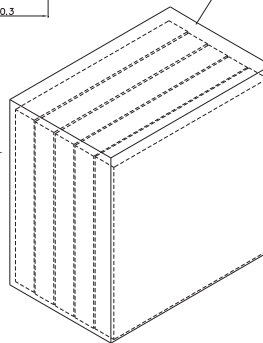
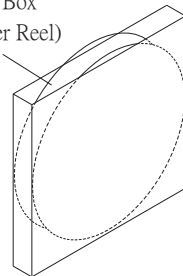
RECOMMENDED LAND PATTERN



PART NUMBER: CT-1205H
DESCRIPTION: MAGNETIC BUZZER
PACKAGING


1 Reel : 320PCS


 Carton Box
 (5 Inner Box)

 Inner Box
 (1 Layer Reel)


1. CUI Inv# 037-4278R
CUI Part# CT-1205H
2. RoHS Compliant

Inner Box	340mmx340mmx33mm	1x320PCS=320PCS
Carton Box	350mmx175mmx355mm	5x320PCS=1,600PCS