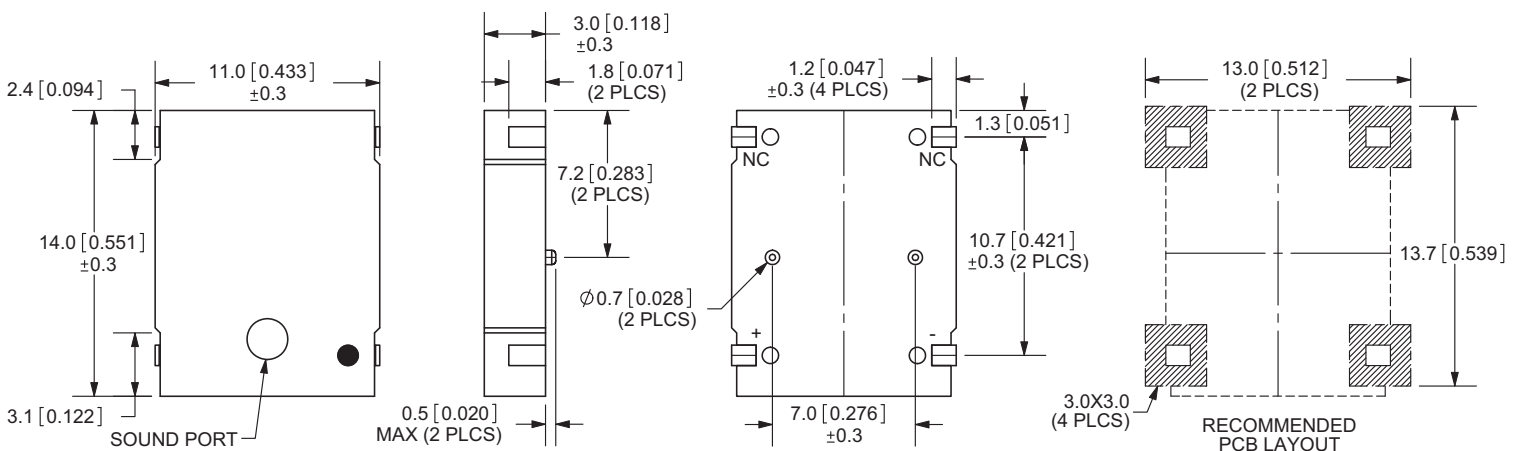


PART NUMBER: CSS-H5B43
DESCRIPTION: MAGNETIC BUZZER

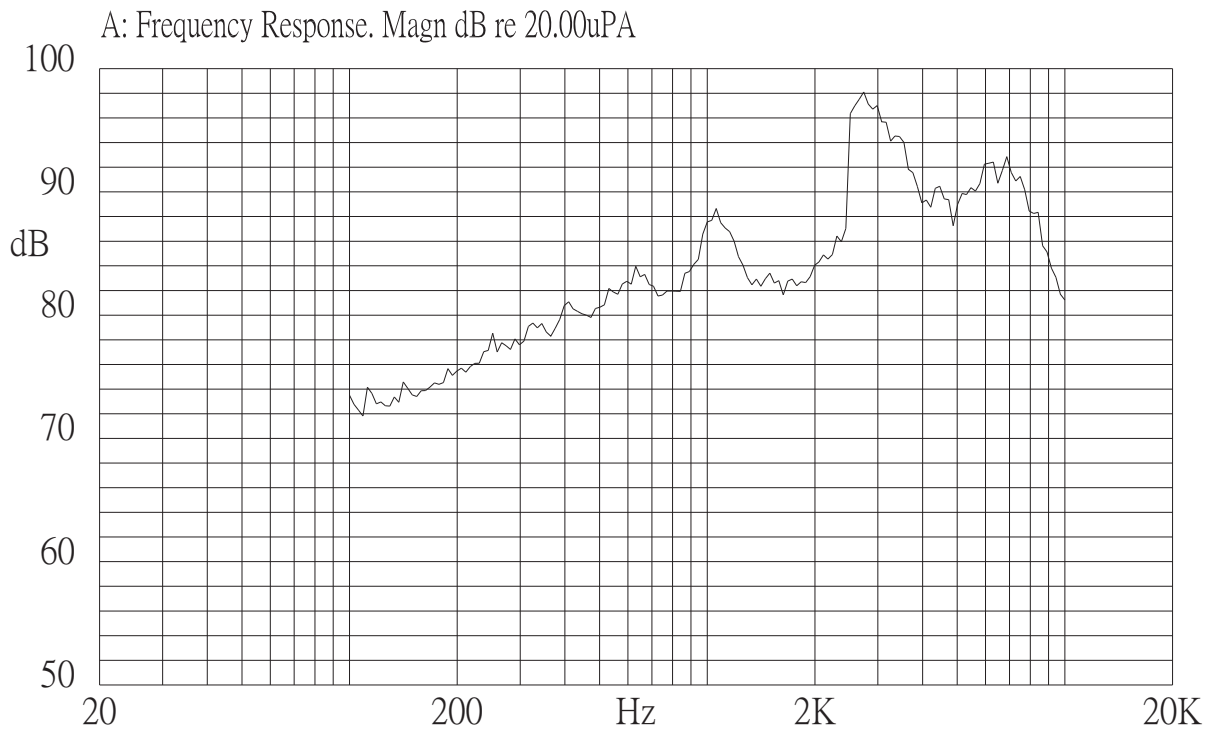
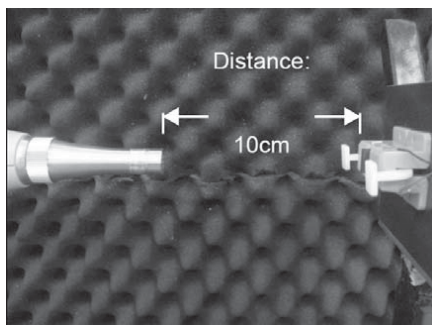
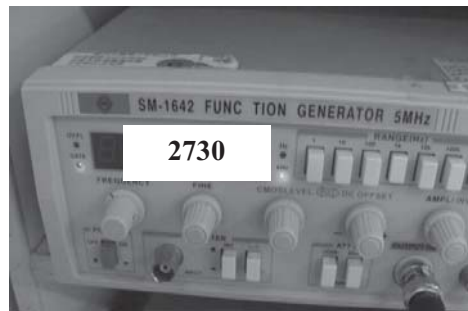
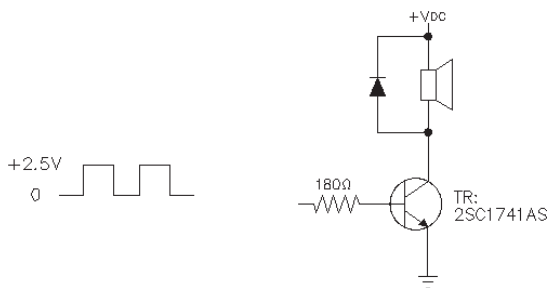
SPECIFICATIONS

parameter	conditions/description	min	nom	max	units
rated voltage			5		V o-p
operating voltage		4		6	V o-p
current consumption	at rated voltage, 2,730 Hz square wave, ½ duty			60	mA
coil resistance		37.9	43	48.1	Ω
sound output	at 10 cm (A-weight free air), rated voltage, 2,730 Hz square wave, ½ duty	91			dBa
rated frequency			2,730		Hz
operating temperature		-30		85	°C
storage temperature		-40		85	°C
dimenstions	14 x 11 x 3 mm (L x W x H)				
weight				1	g
material	L.C.P. (black)				
terminal	SMD type (Sn plating)				
RoHS	yes				

APPEARANCE DRAWING



TOLERANCE:
 ±0.5mm UNLESS OTHERWISE
 SPECIFIED

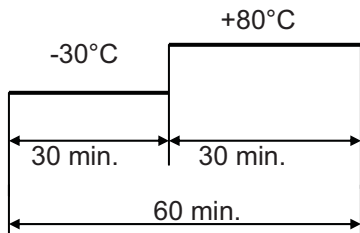
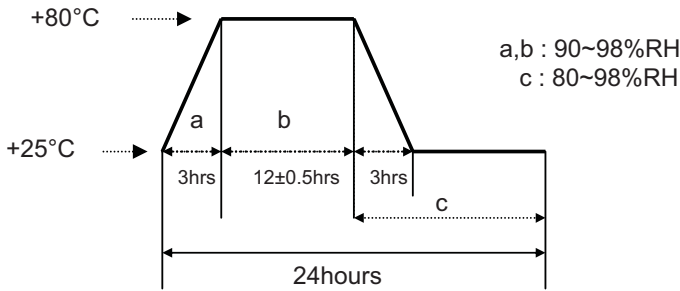
PART NUMBER: CSS-H5B43
DESCRIPTION: MAGNETIC BUZZER
FREQUENCY RESPONSE CURVE

MEASUREMENT METHOD


PART NUMBER: CSS-H5B43
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.	95% of the lead pads will be wet with solder.
soldering heat resistance	The buzzer will follow 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 from behind the part which will be soldered onto the PC Board.	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 ± 10 dBA 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 $+80^\circ\text{C}$ for 96 hours.	After any tests, the buzzer will meet specifications without any damage in appearance except SPL. After 4 hours at 25°C , SPL should be within ± 10 dBA of the initial measurements.
low temperature test	After being placed in a chamber at -30°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: CSS-H5B43
DESCRIPTION: MAGNETIC BUZZER

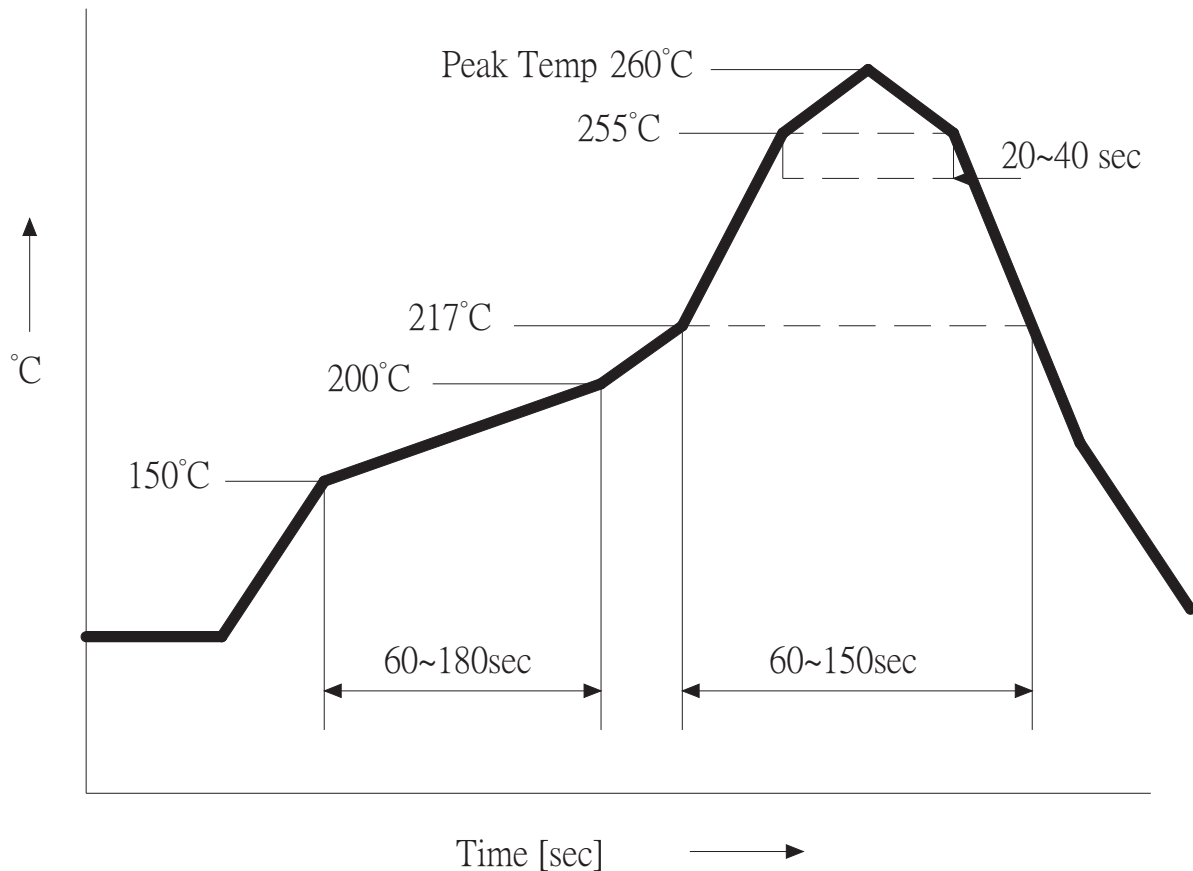
RELIABILITY TEST

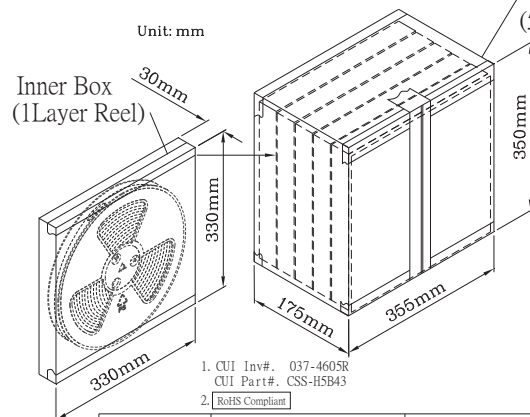
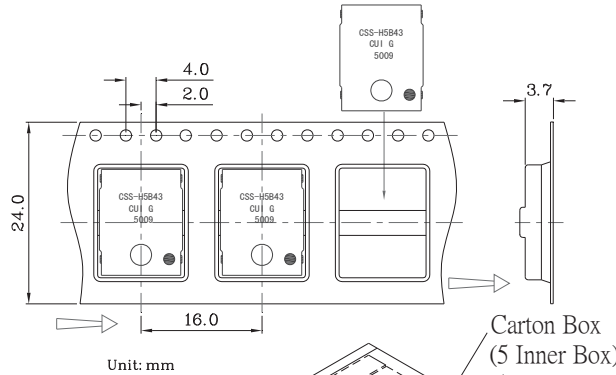
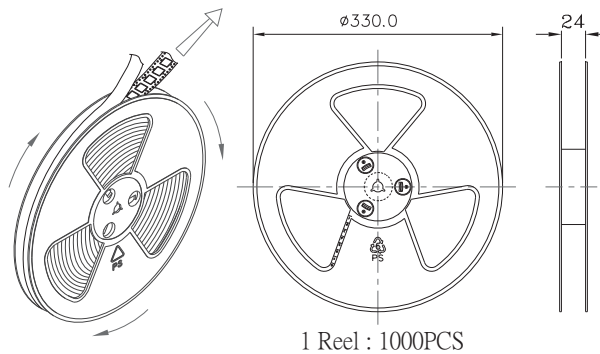
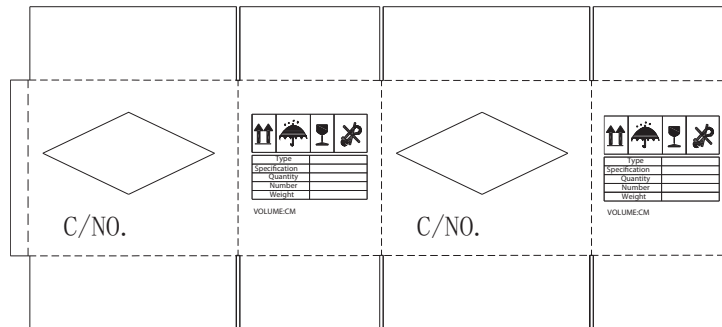
item	test condition	evaluation standard
operating (life test)	1. Continuous life test: The part will be subjected to 72 hours of continuous operation at 55°C with 5 V o-p, 2,730 Hz applied. 2. Intermittent life test: A duty cycle of 1 minute on, 1 minute off, a minimum of 10,000 times at room temp (+25 ±10°C) with 5 V o-p, 2,730 Hz applied.	After any tests, the buzzer will meet specifications without any damage in appearance except SPL. After 4 hours at 25°C, SPL should be within ±10 dBA 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



PART NUMBER: CSS-H5B43
DESCRIPTION: MAGNETIC BUZZER
PACKAGING


1. CUI Inv#. 037-4605R
CUI Part#. CSS-H5B43
2. RoHS Compliant

Inner Box	330mmx330mmx30mm	1x1000PCS=1000PCS
Carton Box	350mmx175mmx355mm	5x1000PCS=5000PCS