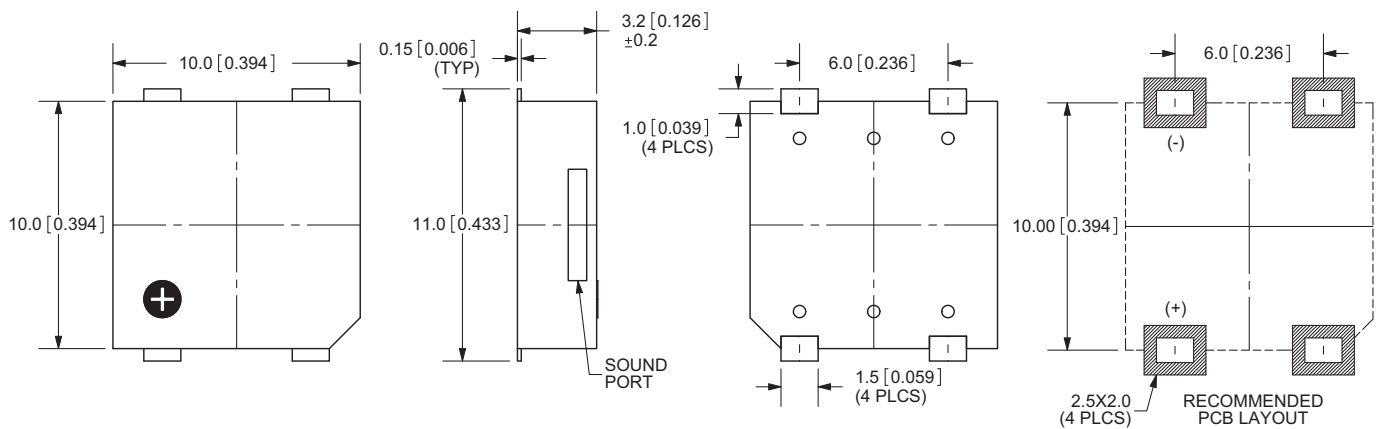


PART NUMBER: CSS-95B30
DESCRIPTION: MAGNETIC BUZZER

SPECIFICATIONS

parameter	conditions/description	min	nom	max	units
rated voltage			5		V o-p
operating voltage		4		7	V o-p
current consumption	at rated voltage, 3,100 Hz square wave, ½ duty			80	mA
coil resistance		27	30	33	Ω
sound output	at 10 cm (A-weight free air), rated voltage, 2,700 Hz square wave, ½ duty	92	95		dBa
rated frequency			2,700		Hz
operating temperature		-20		70	°C
storage temperature		-40		85	°C
dimenstions	10 x 10 x 3.2 mm (L x W x H)				
weight				0.8	g
material	L.C.P. (black)				
terminal	SMD type (Sn plating)				
RoHS	yes				

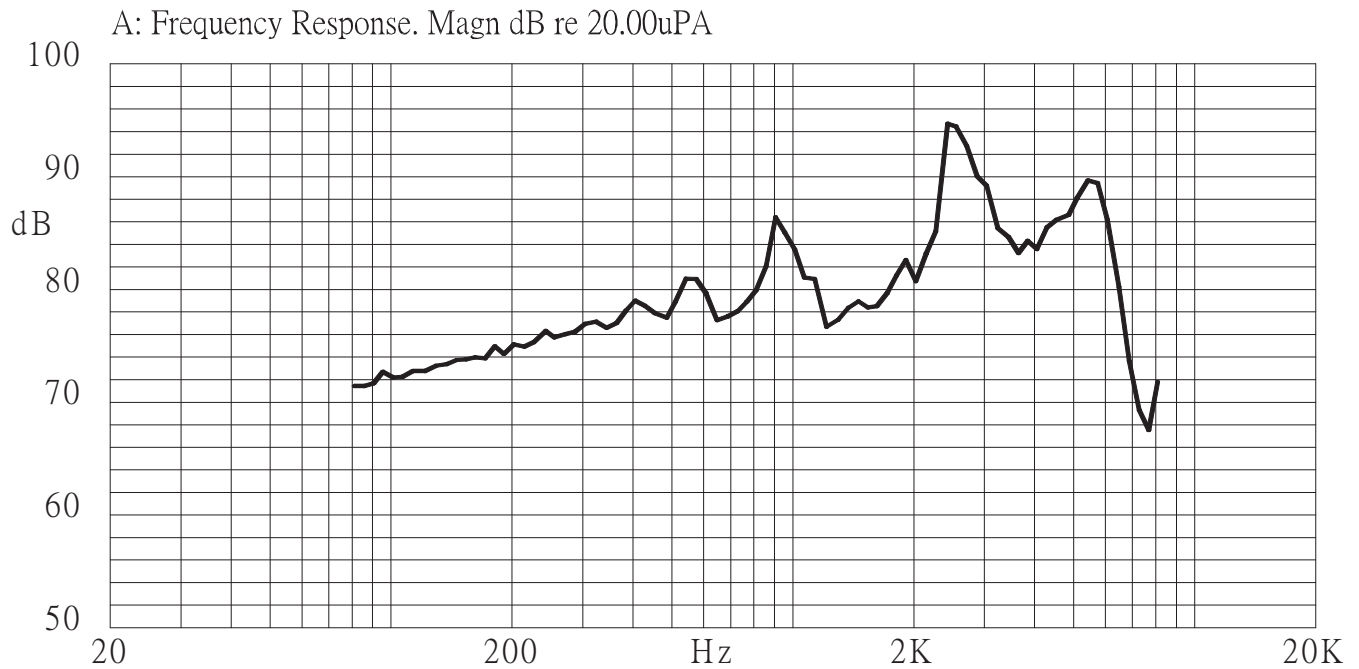
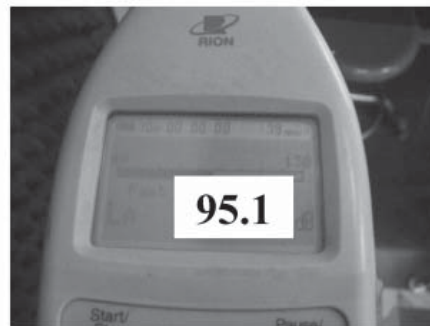
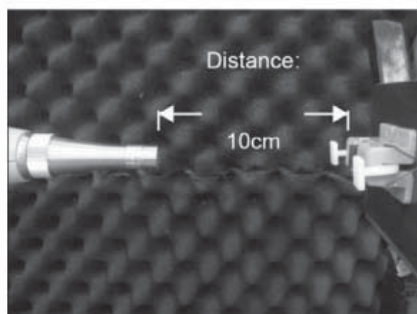
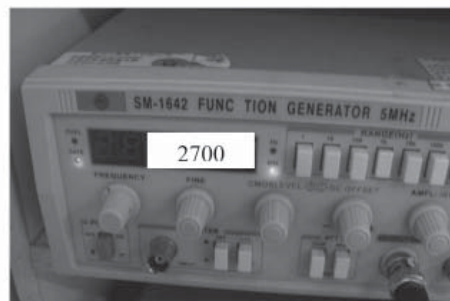
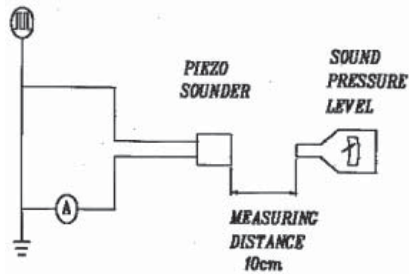
APPEARANCE DRAWING



TOLERANCE:
 ±0.3mm UNLESS OTHERWISE
 SPECIFIED

PART NUMBER: CSS-95B30

DESCRIPTION: MAGNETIC BUZZER

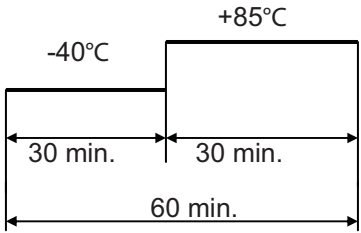
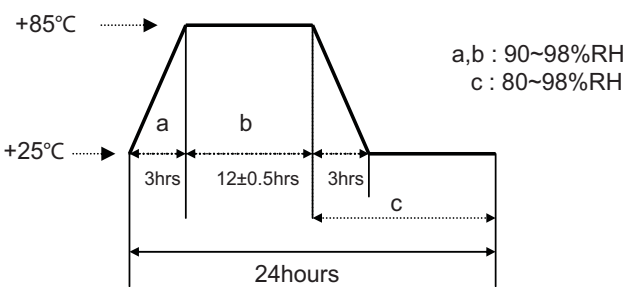
FREQUENCY RESPONSE CURVE

MEASUREMENT METHOD


PART NUMBER: CSS-95B30
DESCRIPTION: MAGNETIC BUZZER

MECHANICAL CHARACTERISTICS

item	test condition	evaluation standard
solderability	Lead terminals are immersed in a solder bath of $+270 \pm 5^\circ\text{C}$ for 3 ± 1 seconds.	95% min. of the lead terminals will be wet with solder. (except the edge of the terminal)
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 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 ± 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 5 cycles. One cycle will consist of: <div style="text-align: center;">  </div>	

PART NUMBER: CSS-95B30
DESCRIPTION: MAGNETIC BUZZER

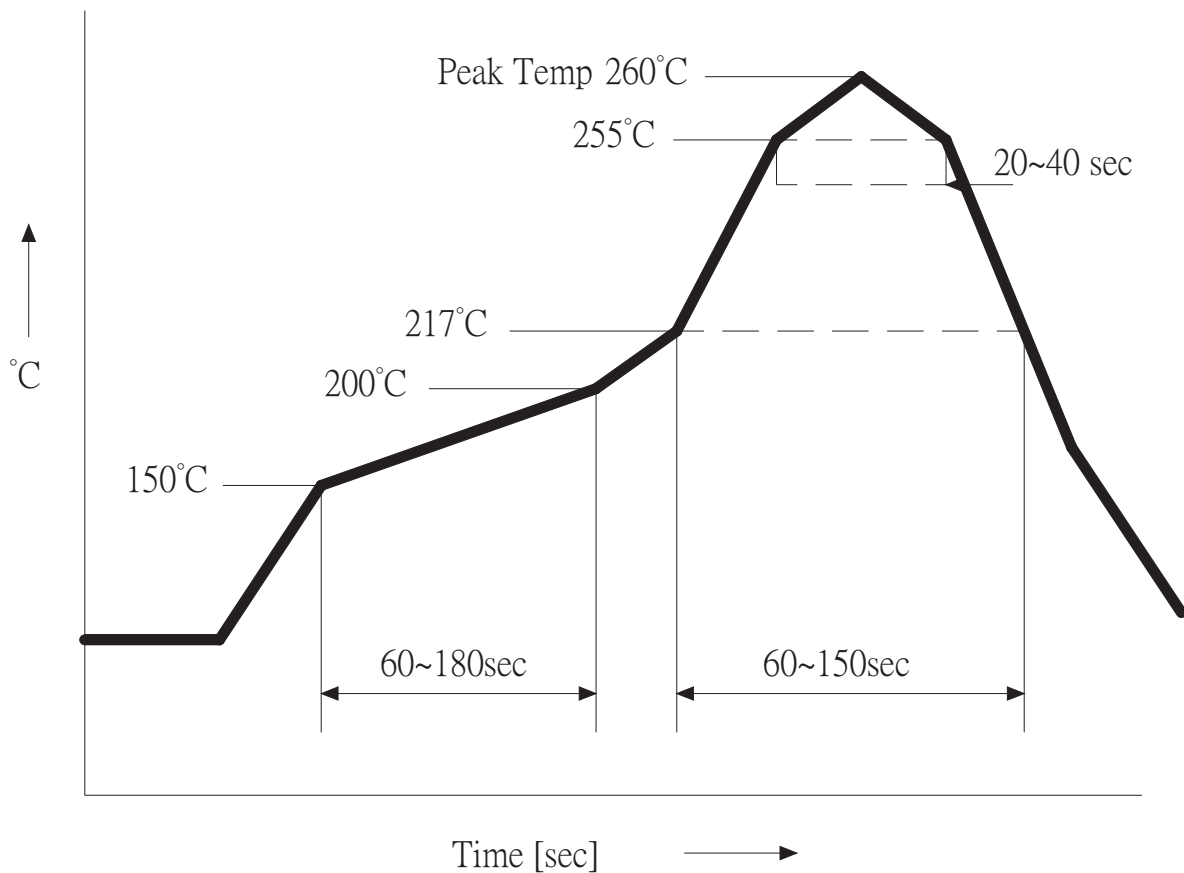
MECHANICAL CHARACTERISTICS

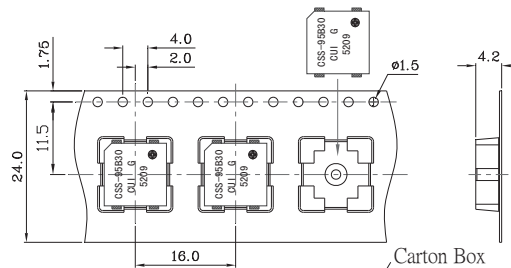
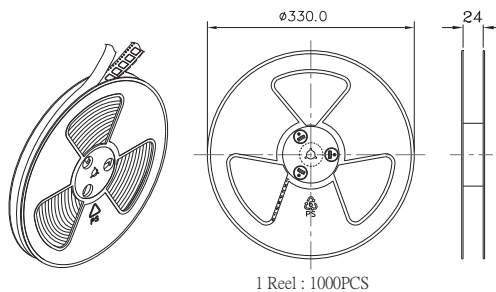
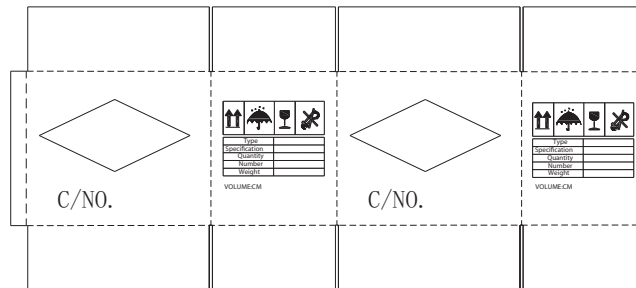
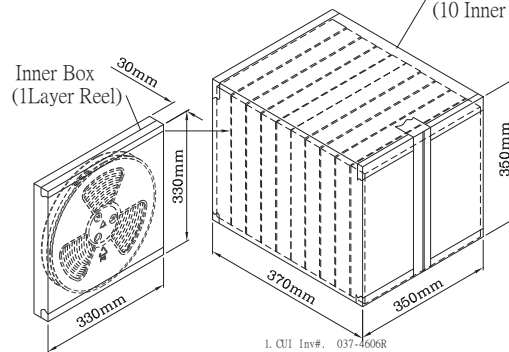
item	test condition	evaluation standard
operating (life test)	1. Continuous life test: The part will be subjected to 72 hours of continuous operation at 70°C with 5 V o-p, 2,700 Hz applied. 2. Intermittent life test: A duty cycle of 1 minute on, 1 minute off, a minimum of 5,000 times at room temp (+25 ±10°C) with 5.0 V o-p, 2,700 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-95B30
DESCRIPTION: MAGNETIC BUZZER
PACKAGING

 Carton Box
 (10 Inner Box)

 1. CUI Inv#: 037-4606R
 CUI Part#: CSS-95B30
 2. RoHS Compliant

Inner Box	330mmx330mmx30mm	1x1000PCS=1000PCS
Carton Box	350mmx350mmx370mm	10x1000PCS=10,000PCS