

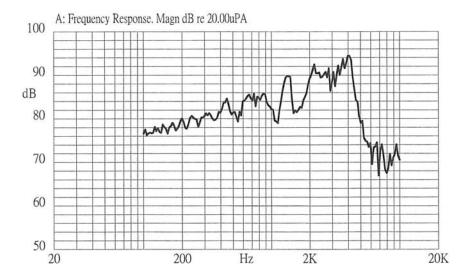
Description: magnetic buzzer

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5 Vo-p	Vo-p
4.0 - 8.0 Vo-p	ov
40 mA max.	Applying rated voltage, 2400 Hz
	square wave, ½ duty
47 ±7 Ω	
Min. 85 (Typical 94) dBA	Distance at 10cm (A-weight free air).
	Applying rated voltage of 2400 Hz, square
	wave, ½ duty.
2,400 Hz	
-30 ~ +70° C	
-40 ~ +85° C	
ø12 x H9 mm	See attached drawing
1.6 g	
PPS (Black)	
SMD type (Au Plating)	See attached drawing
yes	
	4.0 - 8.0 Vo-p 40 mA max. 47 ±7 Ω Min. 85 (Typical 94) dBA 2,400 Hz -30 ~ +70° C -40 ~ +85° C ø12 x H9 mm 1.6 g PPS (Black) SMD type (Au Plating)

Frequency Response Curve



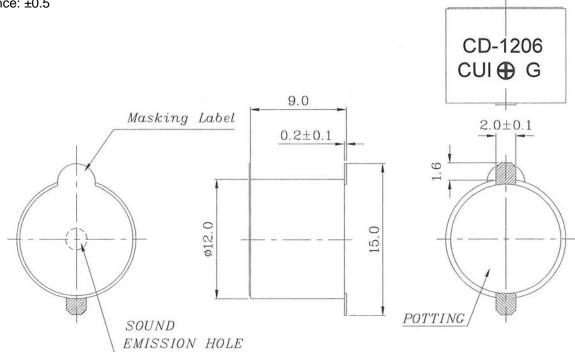


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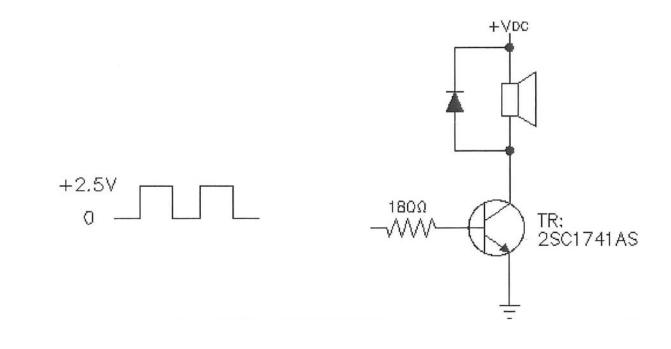
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Appearance Drawing

Tolerance: ±0.5



Measurement Method





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Mechanical Characteristics

Item	Test Condition	Evaluation Standard
Solderability	Lead terminals are immersed in a solder bath	95% min. of lead terminals should
	of $\pm 270 \pm 5^{\circ}$ C for 3 ± 1 seconds.	be covered with fresh solder.
Soldering Heat Resistance	Lead terminals are immersed in solder bath	
	of $\pm 260 \pm 5^{\circ}$ C for 3 ± 1 seconds.	No in interference in operation.
Terminal Mechanical Strength	Lead pads should be soldered onto the PC	
-	Board and then the force of 9.8 N (1.0 kg)	No damage or cutting off.
	should be applied behind the part for	
	10 seconds.	
Vibration	The buzzer will be measured after applying	After the test, the part should
	a vibration amplitude of 1.5 mm with 10 to	meet specifications without any
	55 Hz band of vibration frequency to each of	damage to the appearance and
	the 3 perpendicular directions for 2 hours	the SPL should be within
Drop Test	The part should be dropped from a height of	±10 dBA of the initial
-	75 cm onto a 40 mm thick wooden board 3	measurement.
	times in 3 axis (X, Y, Z) for a total of 9 drops.	

Environment Test

Item	Test Condition	Evaluation Standard	
High temp. test	The part will be subjected to +85°C for 96 hours.		
Low temp. test	The part will be subjected to -40°C for 96 hours	_	
Thermal shock	The part will be subjected to 10 cycles. One cycle will consist of:	After the test, the part should meet specifications without any damage to the appearance or	
Temp./Humidity cycle	The part shall be subjected to 10 cycles. One cycle should last 24 hours and will consist of:	performance except SPL. After 4 hours at 25°C, the SPL should be 80 dBA or more.	



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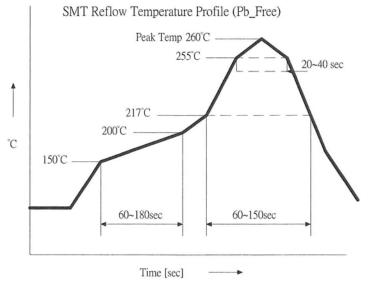
Reliability Tests

Item	Test Condition	Evaluation Standard
Operating (Life Test)	1. Continuous life test:	
	The part will be subjected to 72 hours at 55°C with 5 V, 2400 Hz applied.	After the test, the part should meet specifications without any damage to the appearance or
	 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, 2400 Hz applied. 	performance except SPL. After 4 hours at 25°C, the SPL should be 80 dBA or more.

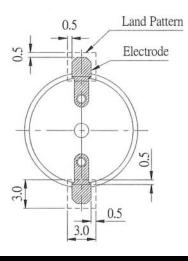
Test Conditions

Standard Test Condition	a) Tempurature: +5 ~ +35°C	b) Humidity: 45 - 85%	c) Pressure: 860 - 1060 mbar
Judgement Test Condition	a) Tempurature: +25±2°C	b) Humidity: 60 - 70%	c) Pressure: 860 - 1060 mbar

Recommended Temperature Profile for Reflow Oven



Recommended Land Pattern



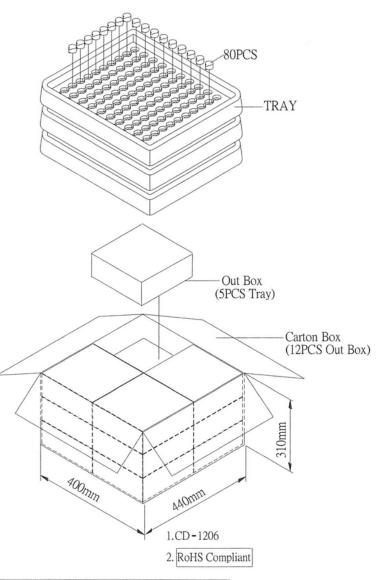


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Packaging



TRAY	184mmx184mmx24mm	8x10PCS=80PCS
Out Box	200mmx190mmx100mm	5LAYERx80PCS=400PCS
Carton Box	440mmx400mmx310mm	400PCSx12=4800PCS