

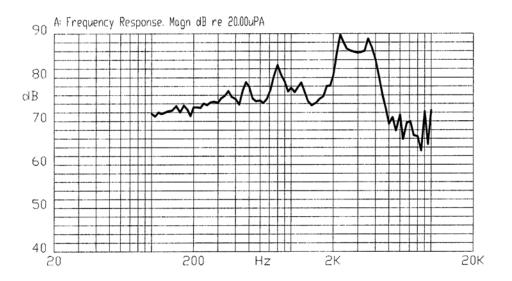
Description: magnetic buzzer

Date: 3/19/2007 Unit: mm Page No: 1 of 4



5 Vo-p	Vo-p
4.0 - 8.0 Vo-p	OV
50 mA max.	Applying rated voltage, 2400 Hz
	square wave, ½ duty
40 ± 6 Ω	
Min. 85 (Typical 91) dBA	Distance at 10cm (A-weight free air).
	Applying rated voltage of 2400 Hz, square
	wave, 1/2 duty.
2,400 Hz	
-30 ~ +70° C	
-40 ~ +85° C	
ø12 x H10 mm	See attached drawing
1.6 g	
PBT+15% (Black)	
Pin type (Au Plating)	See attached drawing
yes	
	4.0 - 8.0 Vo-p 50 mA max. 40 ± 6 Ω Min. 85 (Typical 91) dBA 2,400 Hz -30 ~ +70° C -40 ~ +85° C ø12 x H10 mm 1.6 g PBT+15% (Black) Pin type (Au Plating)

# **Frequency Response Curve**



Phone: 800.275.4899 Fax: 503.612.2383 www.cui.com 20050 SW 112th Ave. Tualatin, OR 97062

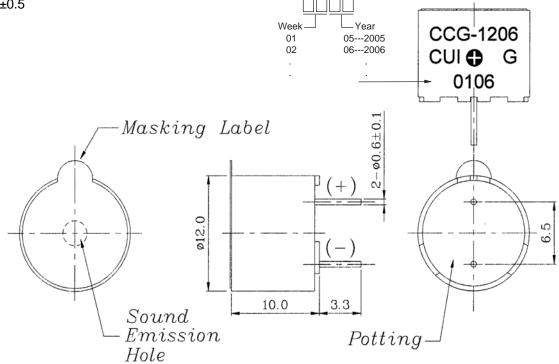


Description: magnetic buzzer

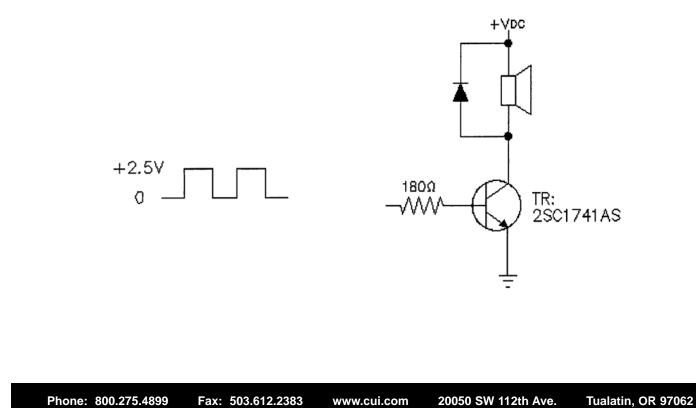
Date: 3/19/2007 Unit: mm Page No: 2 of 4

### **Appearance Drawing**

Tolerance: ±0.5



#### **Measurement Method**





Description: magnetic buzzer

Date: 3/19/2007 Unit: mm Page No: 3 of 4

#### **Mechanical Characteristics**

ltem	Test Condition	Evaluation Standard
Solderability	Lead terminals are immersed in a solder bath	90% min. of lead terminals should
·	of $\pm 270 \pm 5^{\circ}$ C for 3 $\pm 1$ seconds.	be covered with fresh solder.
		(Except the edge of the terminal.)
Soldering Heat Resistance	Lead terminals are immersed in solder bath	No in interference in operation.
-	of $\pm 260 \pm 5^{\circ}$ C for 3 $\pm 1$ seconds.	
Terminal Mechanical Strength	The force of 9.8N (1.0kg) should be applied to	No damage or cutting off.
_	each terminal in each axial direction.	
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:	_
Temp./Humidity cycle	The part shall be subjected to 10 cycles. One cycle should last 24 hours and will consist of: +85°C $a,b:90~98\%$ RH	After the test, the part should meet specifications without any damage to the appearance or performance except SPL. After 4 hours at 25°C, the SPL should be within ±10 dBA of the initial measurement.
	+25°C + (a) b 3hrs 12±0.5hrs 3hrs c 24hours	

Phone: 800.275.4899 Fax: 503.612.2383 www.cui.com 20050 SW 112th Ave. Tualatin, OR 97062



Description: magnetic buzzer

Date: 3/19/2007 Unit: mm Page No: 4 of 4

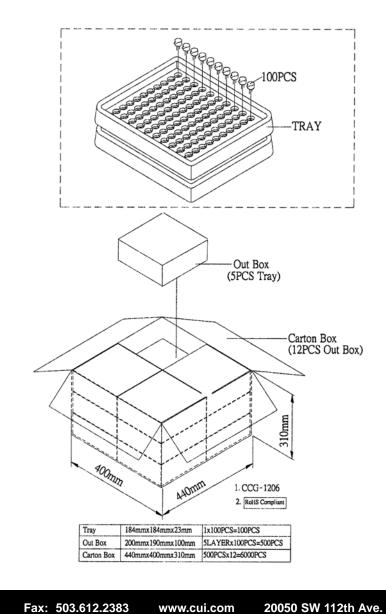
### **Reliability Tests**

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
	<ol> <li>Intermittent life test:</li> <li>A duty cycle of 1 minute on, 1 minute off, a</li> </ol>	performance except SPL. After 4 hours at 25°C, the SPL should be
	minimum of 10,000 times at room temp. (+25 ±10°C) with 5 V, 2400 Hz applied.	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

## Packaging



Phone: 800.275.4899

Fax: 503.612.2383

www.cui.com

Tualatin, OR 97062