

Description: magnetic buzzer

Date: 9/12/2006

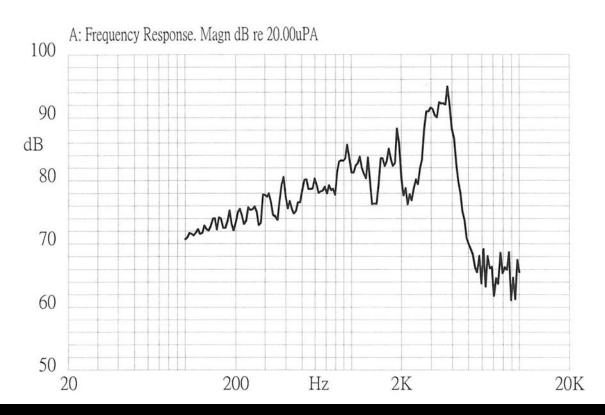
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Specifications

Rated voltage	1.5 Vo-p	Vo-p ★ ☐
Operating voltage	1.0 - 1.7 Vo-p	_ ±
Mean current	40 mA max.	Applying rated voltage, 2800 Hz
		square wave, ½ duty
Coil resistance	16 ±2.4 Ω	
Sound output	Min. 85 (Typical 91) dBA	Distance at 10cm (A-weight free air).
		Applying rated voltage of 2800 Hz, square
		wave, ½ duty.
Rated frequency	2,800 Hz	
Operating temperature	-30 ~ +70° C	
Storage temperature	-40 ~ +85° C	
Dimensions	ø12.0 x H10.0 mm	See attached drawing
Weight	1.6 g	
Material	PBT (Black)	
Terminal	Pin type (Au Plating)	See attached drawing
RoHS	yes	

Frequency Response Curve

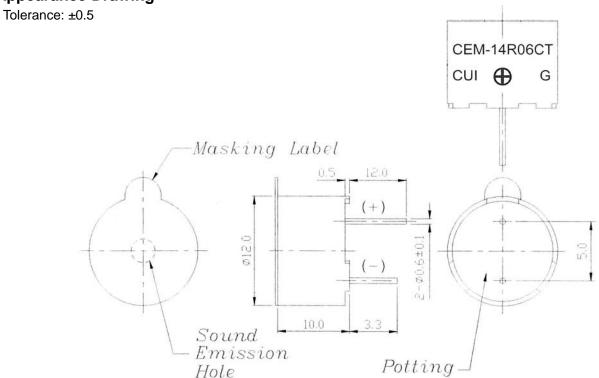


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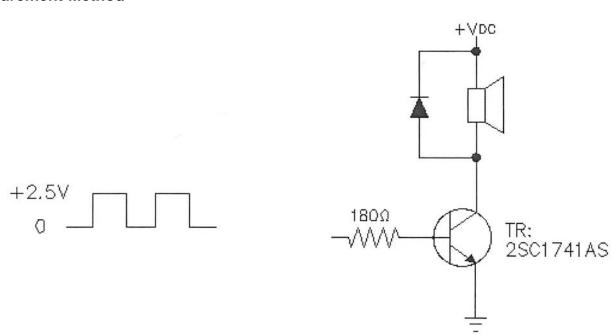
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Appearance Drawing



Measurement Method





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Mechanical Characteristics

Item	Test Condition	Evaluation Standard
Solderability	Lead terminals are immersed in rosin for 5	90% min. lead terminals should
	seconds and then immersed in solder bath	be wet with solder.
	of 270 ±5°C for 3 ±1 seconds.	(Except the edge of the terminal.)
Soldering Heat Resistance	oldering Heat Resistance Lead terminals are immersed up to 1.5 mm	
	from the buzzer's body in solder bath of	No in interference in operation.
	260 ±5°C for 3 ±1 seconds.	
Terminal Mechanical Strength	Apply a force of 9.8 N (1.0 kg) to each terminal	No damage or cutting off.
	in each axial direction.	
Vibration	The buzzer will be measured after applying	After the test, the part should
	a vibration amplitude of 1.5mm with 10 to 55 Hz	meet specifications without any
	band of vibration frequency to each of the 3	damage to the appearance and
	perpendicular directions for 2 hours.	the SPL should be within
Drop Test	The part is to 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:		
	+85°C -40°C 30 min. 30 min. 60 min.	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	
Temp./Humidity cycle	The part shall be subjected to 10 cycles. One cycle will be 24 hours and consist of: +85°C a,b:90~98%RH c:80~98%RH c:80~98%RH	measurement.	



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Reliability Tests

Item	Test Condition	Evaluation Standard
Operating (Life Test)	Continuous life test:	
	The part will be subjected to 72 hours at 55°C with 1.5 V, 2800 Hz applied.	After the test, the part shall meet specifications without any damage to the appearance. After
	2. Intermittent life test:	4 hours at +25°C, the SPL
	A duty cycle of 1 minute on, 1 minute off, a	should be within ±10 dBA of the
	minimum of 10,000 times at room temp. (+25 ±10°C) with 1.5 V, 2800 Hz applied.	initial SPL.

Test Conditions

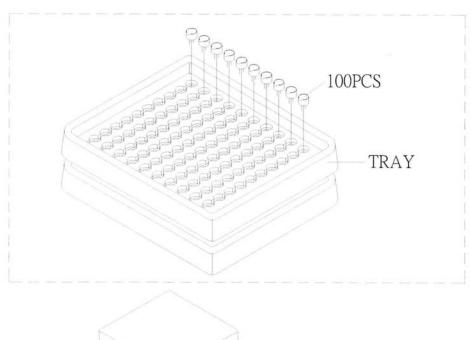
Standard Test Condition	a) Tempurature: +5 ~ +35°C	b) Humidity: 45 - 85%	c) Pressure: 860 - 1060 mbar
Judgement Test Condition	a) Tempurature: +25±2°C	b) Humidity: 60 - 70%	c) Pressure: 860 - 1060 mbar

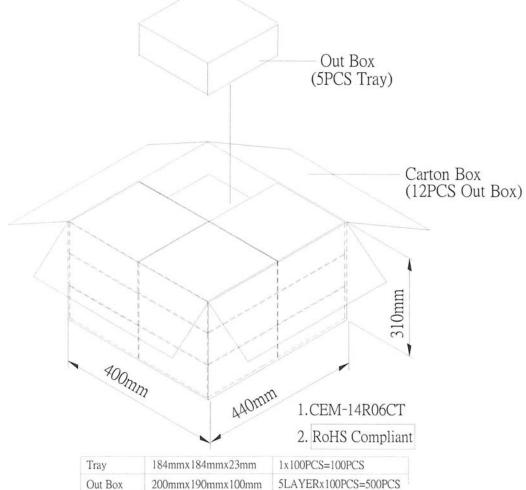
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Packaging





Phone: 800.275.4899 Fax: 503.612.2381 www.cui.com 20050 SW 112th Ave. Tualatin, OR 97062

440mmx400mmx310mm

Carton Box

500PCSx12=6,000PCS