SPECIFICATION
FOR
APPROVAL

Customer：

Description : BUZZER Date : 2007-11-20

Model No. : GT - 0915RP2

Customer Model No. : _____

Drawing No.: _____

Approval No. : _____

Date of Approval	/ / /
Authorization Signature	

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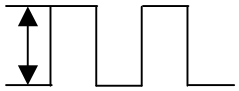
A:SCOPE

This specification applies magnetic buzzer, GT - 0915RP2

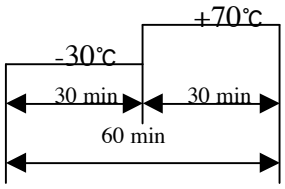
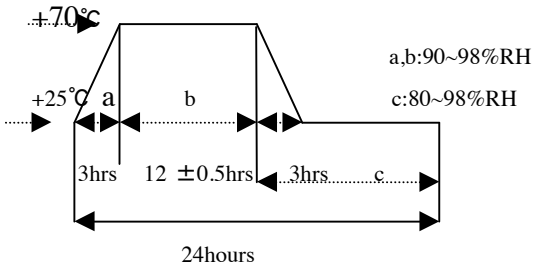
(GT - 0915RP2)

B:SPECIFICATION

Test condition: TEMP=+25±2 ℃ Related humidity=65 ± 5% Airpressure:860 1060mbar

NO.	Item	Unit	Specification	Condition
1	Rated Voltage	Vo-p	1.5	Vo-p  0V
2	Operating Volt	Vo-p	1.0-2.0	
3	Mean Current	mA	Max.80	Applying rated voltage 2730HZ square wave 1/2 duty
4	Coil Resistance	Ω	6±Ω	
5	Sound Output	dBA	85/10cm	Distance at 10cm(A-weight free air), Applying rated voltage 2730HZ,square wave,1/2duty
6	Rated Frequency	Hz	2730	
7	Operating Temp	℃	-20-+60	
8	Storage Temp	℃	-30-+70	
9	Dimension	mm	φ9.0×H4.0	See attached drawing.
10	Weight	gram	0.6	
11	Material		PPO(Black)	
12	Terminal		Pin type (Plating Au)	See attached drawing
13	Storage life	month	6	6 months preservation at room temp(25±3℃),Humidity40%
14	Environmental Protection Regulation		RoHS	

C:ENVIRONMENT TEST

No.	Item	Test condition	Evaluation standard
1	High temp. test	After being placed in a chamber at +70℃ for 96 hours.	After the test the part shall meet specifications without any degradation in appearance and performance except SPL. after 4 hours at +25℃,The SPL shall be 80dBA or more.
2	Low temp. test	After being placed in a chamber at -30℃ for 96 hours.	
3	Thermal shock	The part shall be subjected to 10 cycles. One cycle shall consist of;  	
4	Temp./Humidity Cycle	The part shall be subjected to 10 cycle shall be 24 hours and consist of;  	

D:RELIABILITY TEST

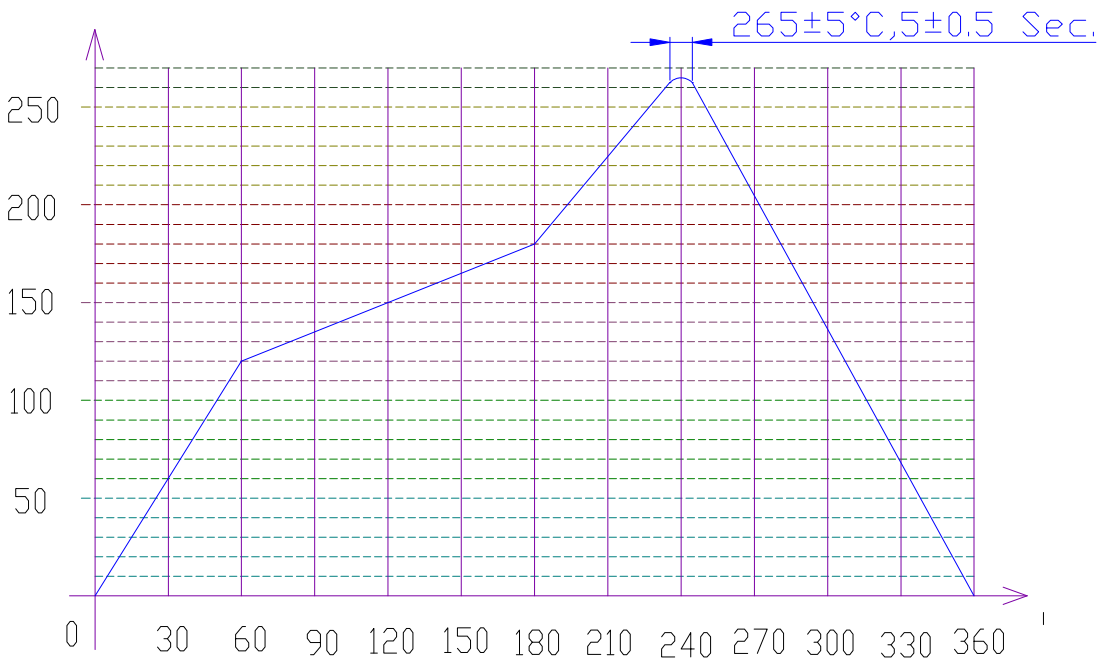
No.	Item	Test condition	Evaluation standard
1	Operating life test	1. Ordinary temperature The part shall be subjected to 1000 hours at room temperature (+25±10℃) 2. High temperature The part shall be subjected to 500 hours at +60℃ with 1.5V,2730HZ applied. 3. Low temperature The part shall be subjected to 500 hours at -20℃ with 1.5V,2730HZ applied.	After the test the part shall meet specifications without any degradation in appearance and performance except SPL. after 4 hours at +25℃,The SPL shall be 80 dBA or more.

TEST CONDITION.

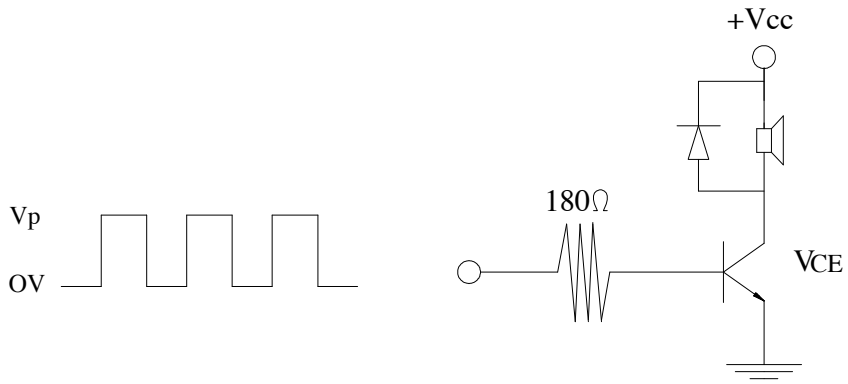
Standard Test Condition : a)Temperature: +5~+35℃ b)Humidity:45~85% c)Pressure: 860~1060mbar

Judgment Test Condition: a)Temperature:+25±2 ℃ b)Humidity:60~70% c)Pressure: 860~1060mbar

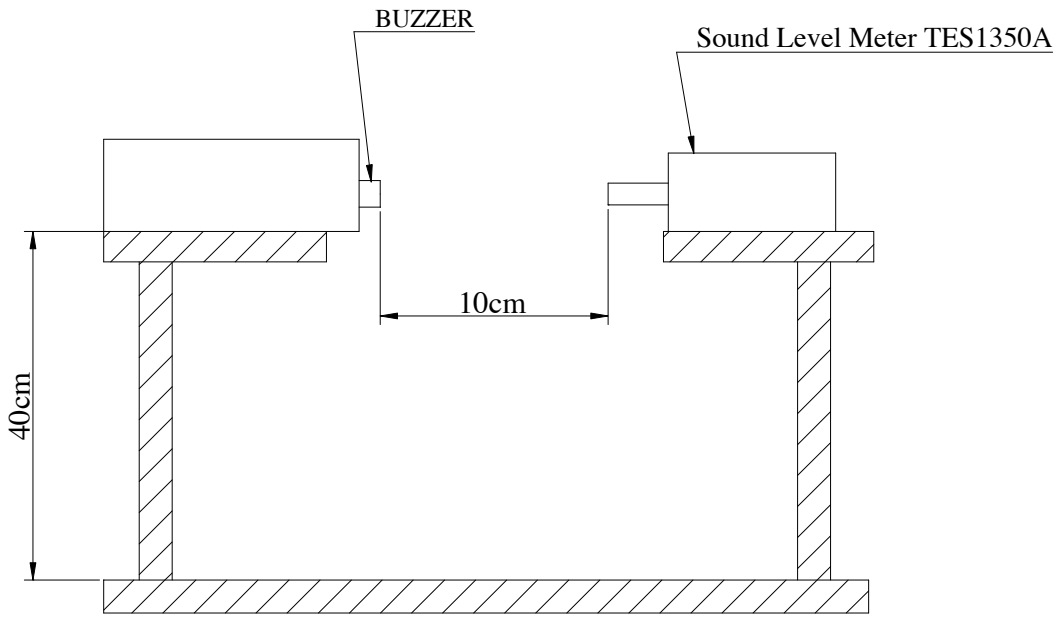
E:MECHANICAL CHARACTERISTICS			4/7
No	Item	Test condition	Evaluation standard
1	Solderability	Lead terminal are immersed in rosin for 5seconds and then immersed in Solder bath of +250±5℃ for 3 ± 0.5 second	90% min. lead terminals shall be wet with solder
2	Soldering Heat Resistance	Lead terminal are immersed in soldering bath of +250±5℃ for2±0.5 Second.	No interference in operation
3	Terminal Mechanical Strength	Apply the terminal with 1KG strength for 1 minute	No damage and cutting off
4	Vibration	The part shall be subjected to a vibration cycle of 10Hz to 55Hz to 10Hz in a period of 1 minute. Total peak amplitude shall be 1.52mm(9.3G).The vibration test shall consist of 2 hours per axis in each three axes(X,Y,Z),Total 6 hours.	After the test the part shall meet specifications without any damage in appearance and performance except SPL. SPL shall be 80dBA or more.
5	Drop test	The part only shall be dropped from a height of 75cm onto a 40mm thick wooden board 3 times in 3 axes(X,Y,Z),(a total of 9 times).	



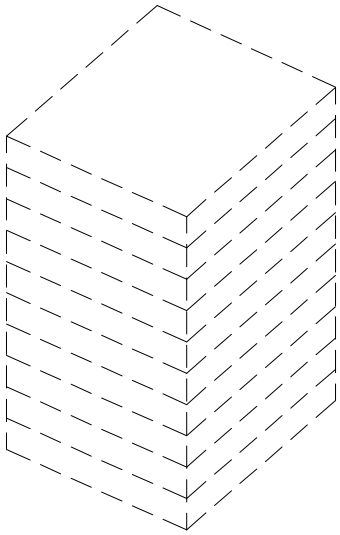
F : MEASUREMENT METHOD

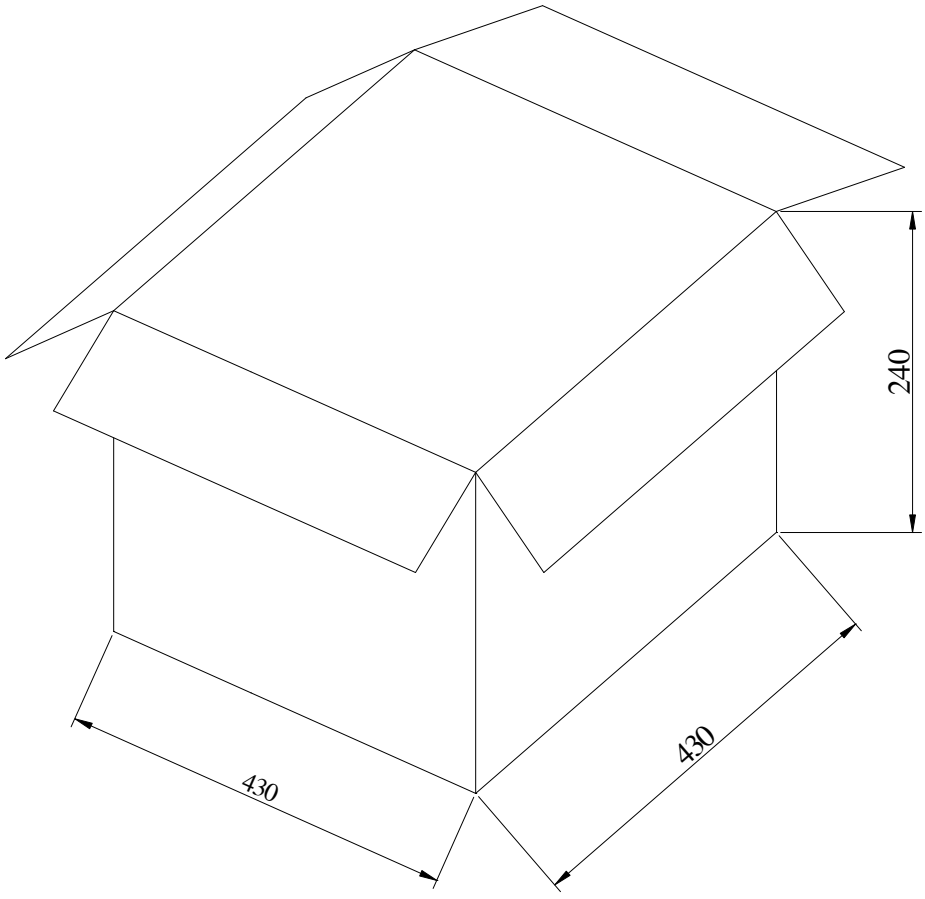


G : INSPECTION FIXTURE



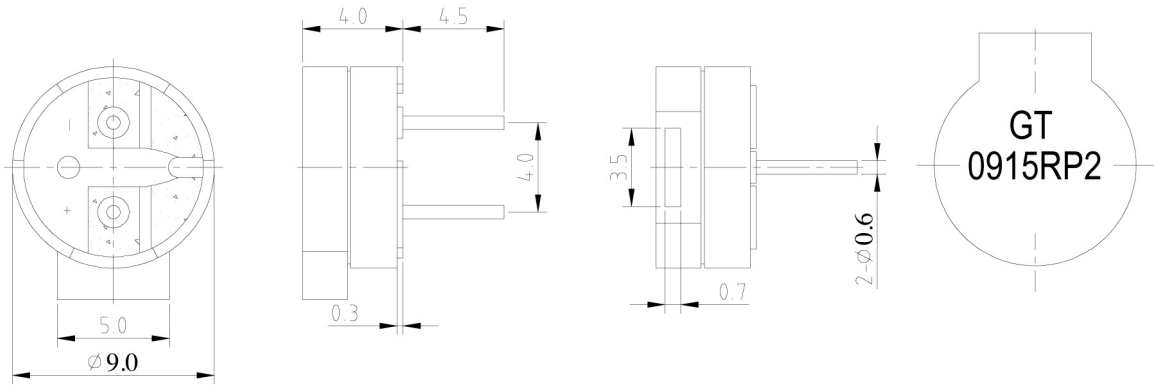
H:





	(mm)	
	190 ×190× 25	100
	200×200×200	1000
	430×430× 240	4000

H. DIMENSIONS



Tolerance:±0.5 Unit:mm