

MESSRS.

SPECIFICATION FOR APPROVAL**承 认 书**

Product	MAGNETIC BUZZER(RoHS Grade)	
Part No.	AC-1205G-F1	
Customer Part No.		
Customer Approval		
Approved By	Checked By	Made By
王台平 OCT-16-2008	曹丽萍 OCT-16-2008	LILY OCT-16-2008

常 州 华 龙 电 子 有 限 公 司**DRAGONSTATE ELECTRONIC CORPORATION**

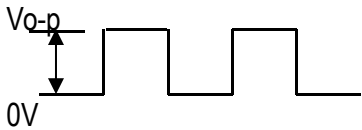
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EDITION:1.1

1. Specifications

AC-1205G-F1

Items		Units	Specifications	Conditions
01	Rated Voltage	Vo-p	5.0	
02	Operating Voltage	Vo-p	3.0 ~ 8.0	
03	Consumption Current	mA (Max)	Mean 50	Applying rated voltage, rated frequency Square wave, 1/2 duty subject to standard state.
			Peak 150	
04	Direct Current Resistance	Ohm	40±6	
05	Sound Output	dBA (min)	90	Distance at 10cm, applying rated voltage, rated frequency square wave, 1/2 duty subject to standard state.
06	Rated Frequency	Hz	2300~2500	
07	Operating Temp.	°C	-30 ~ +85	
08	Storage Temp.	°C	-50 ~ +95	
09	Weight	Gram	2	

2. Measuring Method

2-1. Test Condition

STANDARD

Temperature : 15 ~ 35°C

Relative humidity : 25% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

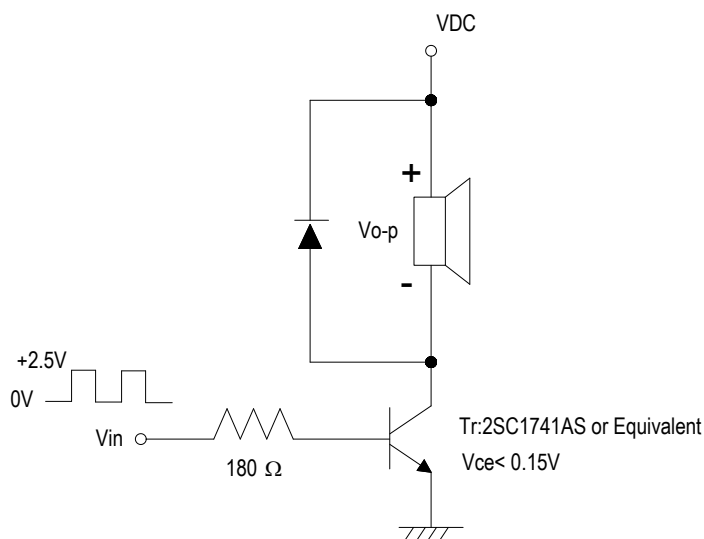
JUDGEMENT

Temperature : 20±3°C

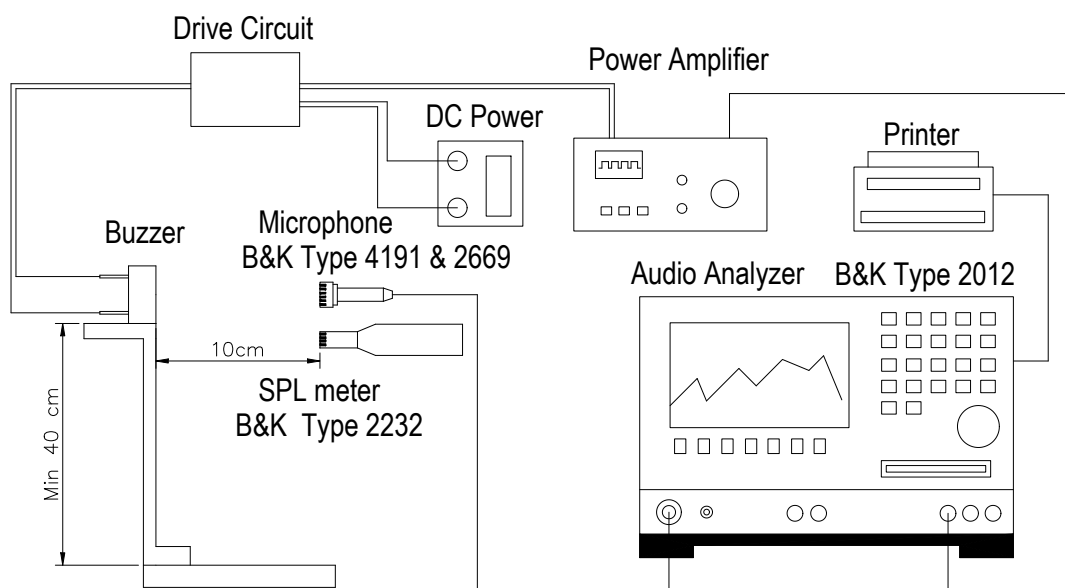
Relative humidity : 60% ~ 70%,

Atmospheric pressure : 860mbar to 1060mbar

2-2. Standard Drive Circuit:



2-3. Standard Test Fixture

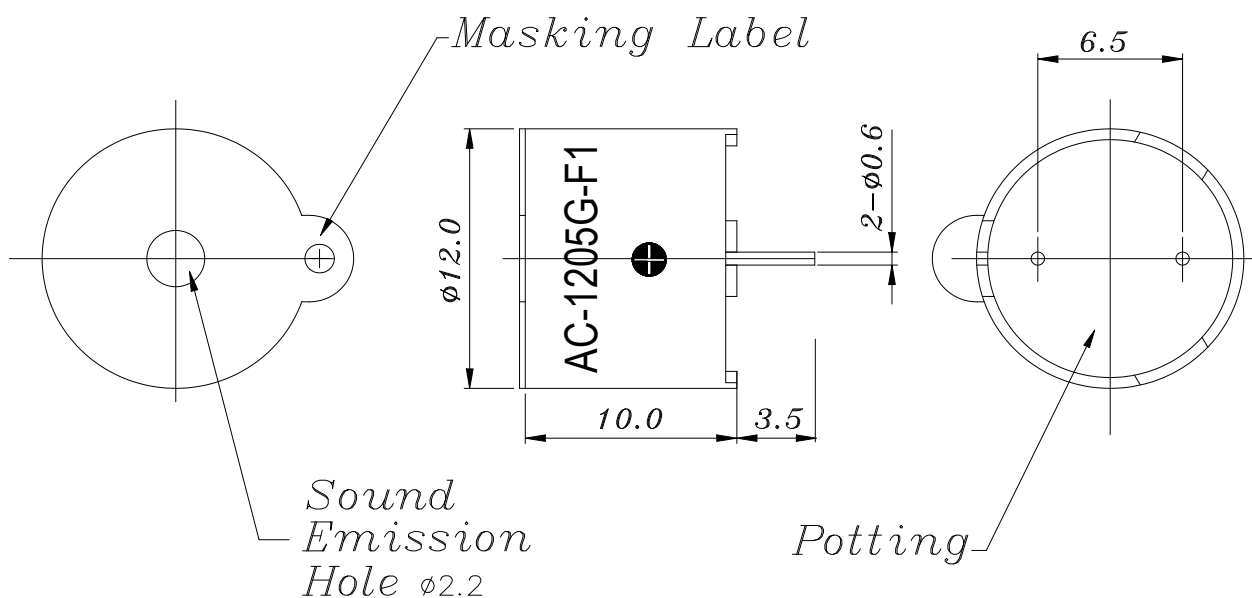


2-4. Frequency Response Curve

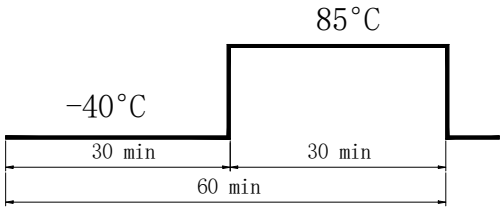
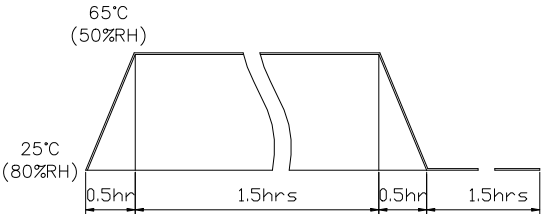
4. RELIABILITY TEST

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REV NO.	REVISION NOTE	APPROVAL	DATE
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TITLE: SOUND TRANSDUCER DIMENSIONS		DRAWN: Lily	2008/10/22	SCALE: 3/1	SHEET: 1 OF 1
PART NO. AC-1205G-F1	1	DESIGNED: R&D OF D.S.		UNITS: mm	
DWG NO. DTE-1085		CHECKED: Emily		TOLERANCE ± 0.5	
		APPROVAL: Eric		UNLESS OTHERWISE SPECIFIED:	
		MATERIAL: PBT		ONE PLACE DECIMAL ± ***	
				TWO PLACE DECIMAL ± ***	
				THREE PLACE DECIMAL ± ***	

Item	Test conditions	Evaluation standard
01 High temp.Storage life	The part shall be capable of withstanding a storage Temperature of 85℃ for 96 hours.	
02 Low temp.Storage life	The part shall be capable of withstanding a storage Temperature of -40℃ for 96 hours.	
03 Temp. cycle	The part shall be subjected 10 cycles. One cycle shall consist of; <div data-bbox="564 645 1066 851">  </div>	After the test the part shall meet specifications without Any degradation in appearance and performance except S.P.L S.P.L shall be 77dB or more.
04 Temp./Humidity cycle	EIA 364-31 Method II Test Condition A. 96 hours The part shall be subjected 24 cycles. One cycle shall be 4 hours and consist of; <div data-bbox="564 1193 1107 1406">  </div>	
05 Operating life	Rated Voltage,Frequency applied. 1. Ordinary temperature The part shall be subjected to 1000 hours at room temperature (25 ±10℃) 1. High temperature The part shall be subjected to 500 hours at 75℃ 2. Low temperature The part shall be subjected to 500 hours at -30℃	
06 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 plane in each three mutually perpendicular planes for a total time of 6 hours.	

Item		Test conditions	Evaluation standard
07	Fixed drop	The part shall be mounted on standard pc board and dropped from a height of 152cm onto a concrete floor 5 times in each 6 planes.(a total of 30 times)	After the test the part shall meet specifications without Any degradation in appearance and performance except S.P.L S.P.L shall be 77dB or more.
08	Free drop	The part only shall be dropped from a height of 75cm the impact surface shall be a concrete floor or a concrete slab at least 0.1m(4 in) thick 3 times in 3 axes (X.Y.Z). (a total of 9 times).	
09	Solder ability	Soldering Temp : $235\pm 5^{\circ}\text{C}$ / 3 Sec. Bath Soldering : 245°C / 3 ~ 5sec. (Criteria Minimum 95% of immersed area)	The coating surface of contact must show no void and pin holes and with 95%(min) of immersed area
10	Solder heat resistance	Wave soldering (Through-Hole Component),oven temperature: 270°C /5sec	
11	Lead strength	Pull lead with a force of 10N,on the direction of the lead axis for 10 : 10 ± 1 sec	
12	Washability	Solvent : deionized water Solvent temp. : $55\pm 5^{\circ}\text{C}$ Soaking time : 5 ± 0.5 min.	