SPECIFICATION FOR APPROVAL

承　　認　　書

Description	:	**Magnetic Buzzer**
Kingstate Part No.	:	**KSSGJ1B06-S**
Customer's Model No.	:	
Specification No.	:	**TKR-5583**
Number Of The Edition	:	**1.1**

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CUSTOMER'S APPROVED SIGNATURE		

志豐電子股份有限公司 **KINGSTATE ELECTRONICS CORP.**

Address: 10F, No. 69-11, Sec. 2, Chung Cheng E. Rd., Tamshui County, Taipei Hsien, Taiwan, R.O.C.

International sales dept.: TEL : 886-2-2809-5651　FAX:886-2-2809-7151

Domestic sales dept.: TEL : 886-2-2809-0668　FAX:886-2-28096748

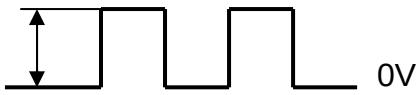
http : //www.kingstate.com.tw

Approved by	Checked by	Issued by
		Merry 11/27/19`

A. SCOPE 範疇

This specification applies magnetic buzzer, **KSSGJ1B06-S**
此規格書適用於電磁式蜂鳴器, **KSSGJ1B06-S**

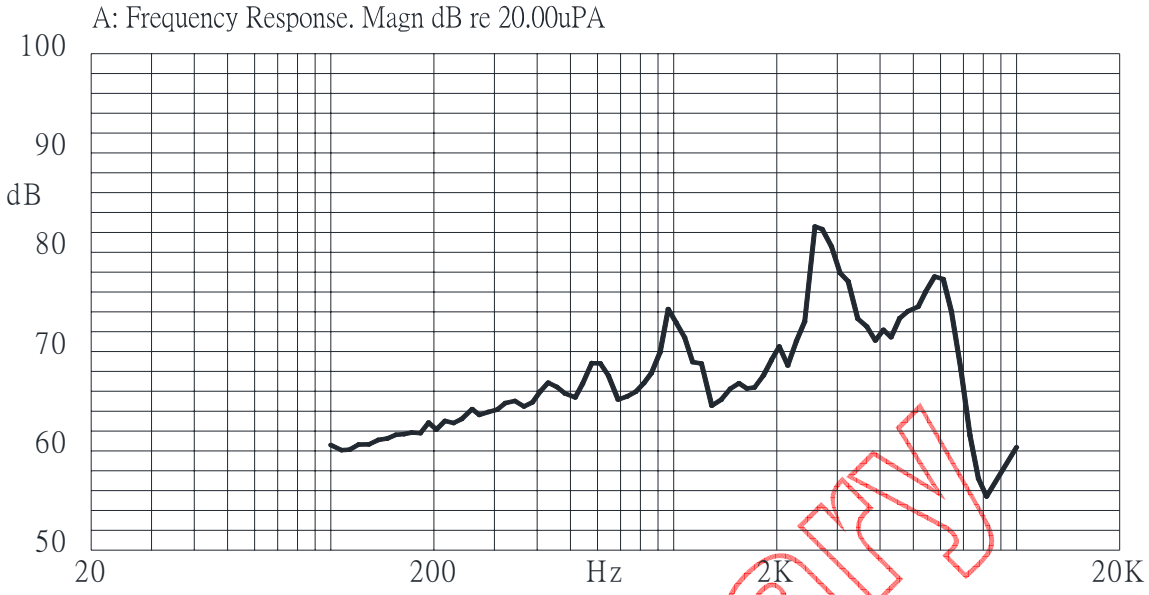
B. SPECIFICATION 規格

No.	Item	Unit	Specification	Condition
1	Rated Voltage 額定電壓	Vo-p	1.5	Vo-p  0V
2	Operating Volt. 操作電壓	Vo-p	1.0~3.0	
3	Mean Current 平均耗電流	mA	Max.100	Applying rated voltage,2730Hz square wave, 1/2duty 施以額定電壓,2730Hz,方波, 50%負載
4	Coil Resistance 直流阻抗	Ω	6± 1.0	
5	Sound Output 輸出音壓	dBA	Min.80 (Typical 85)	Distance at 10cm(A-weight). Applying rated voltage 2730Hz,square wave, 1/2duty 在 10 公分處,施以額定電壓,2730Hz,方波, 50%負載
6	Rated Frequency 額定頻率	Hz	2730	
7	Operating Temp. 操作溫度	℃	-40 ~ +85	
8	Storage Temp. 儲存溫度	℃	-40 ~ +85	
9	Dimension 尺寸	mm	L8.5x W8.5 x H3.0	See attached drawing. 請參照外觀尺寸圖
10	Weight 重量	gram	0.4	
11	Material 材質		L.C.P (Black)	
12	Terminal 端子		SMD type (鍍金/Plating Au)	See attached drawing. 請參照外觀尺寸圖
13	Mounting 安裝方式		contact-type 接觸式	
14	Environmental Protection Regulation 環保法規		RoHS2.0	

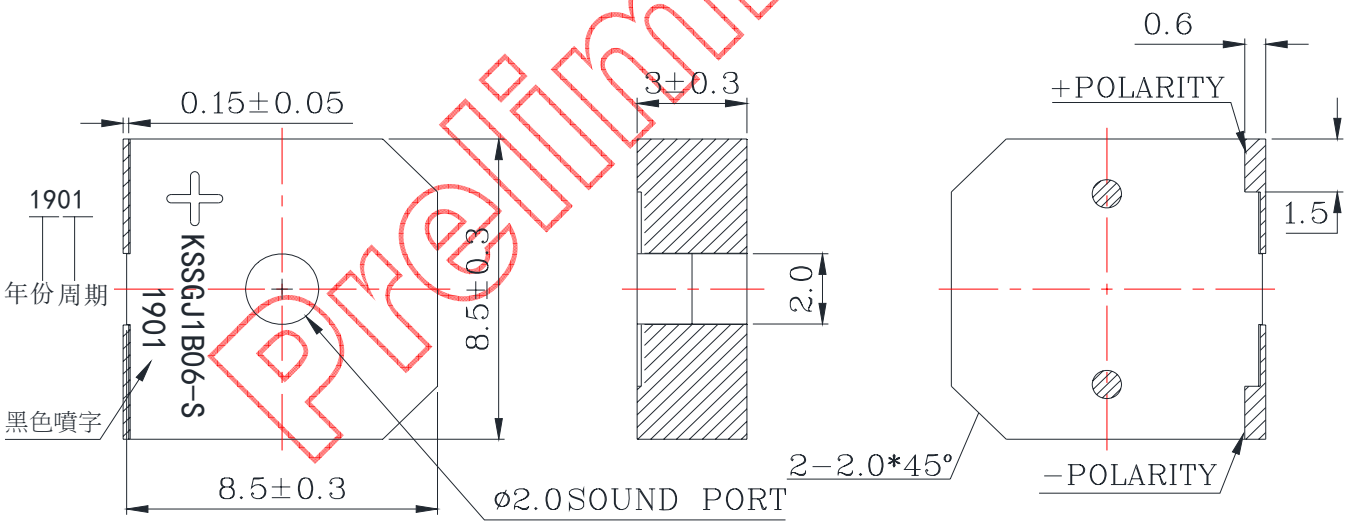
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C. TYPICAL FREQUENCY RESPONSE CURVE 頻率響應曲線

For Reference Only 僅供參考



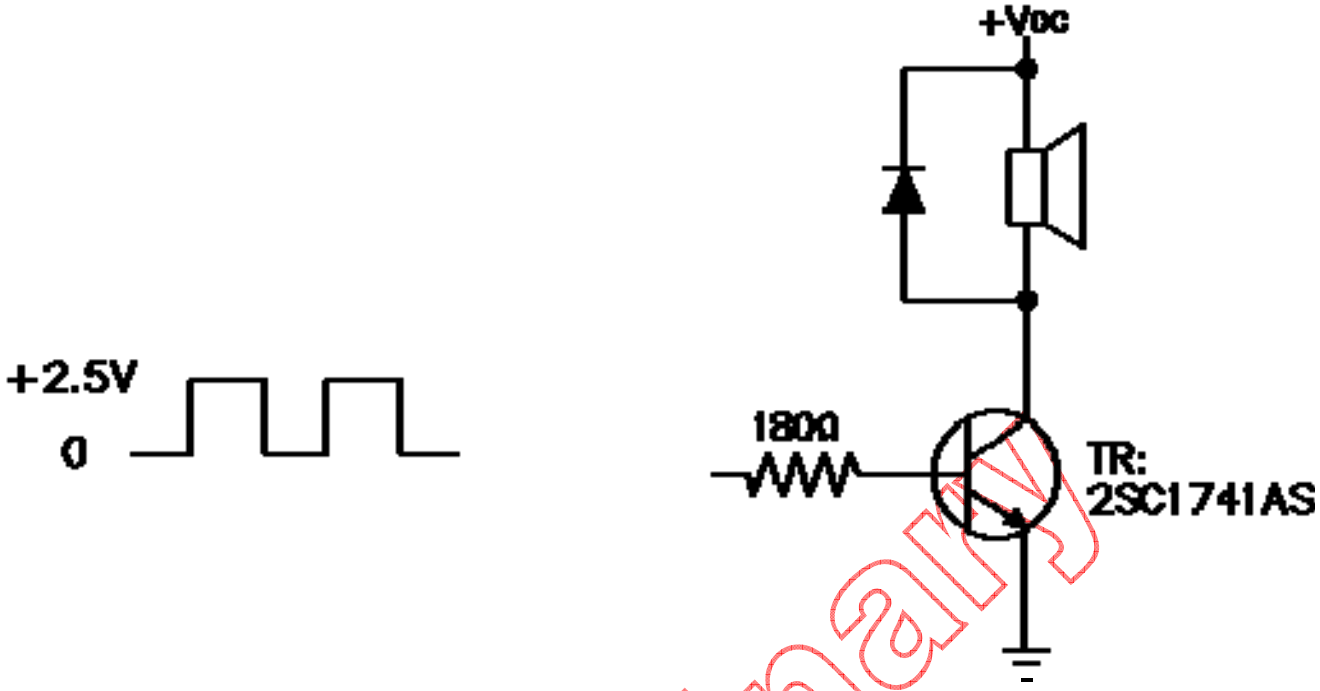
D. APPEARANCE DRAWING 外觀尺寸圖



Tol : ± 0.5
Unit : mm

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E. MEASUREMENT METHOD 測量方式

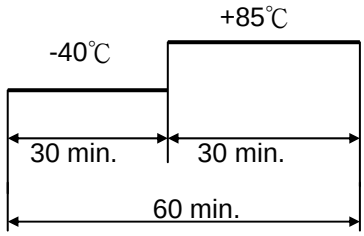
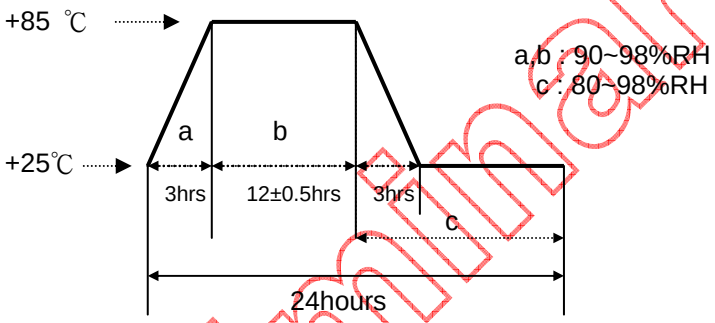


F. MECHANICAL CHARACTERISTICS 機械特性

No.	Item	Test condition	Evaluation standard
1	Terminal Mechanical Strength 端子強度	Lead pads shall be soldered on the pc board, and the force 9.8N (1.0kg) shall be applied behind the part for 10 seconds. 將端子焊在 PC 板上後,對單體施以 9.8N(1.0kg)拉力 10 秒.	No damage and cutting off 端子不鬆動, 不脫落.
2	Vibration 振動測試	Buzzer shall be measured after being applied vibration of amplitude of 1.5mm with 10 to 55hz band of vibration frequency to each of 3 per-pendicular directions for 2 hours. 振動週波數 10～55HZ、全振幅 1.5mm 於 X.Y.Z 3 個方向,各 2 小時.	After the test the part shall meet specifications with-out any damage in appearance and the SPL should be in ±10dBA compared with initial one. 經測試後,單體除音壓外,外觀及電氣特性須符合規格. 輸出音壓變化量須在 ±10dBA 內.
3	Drop test 落下測試	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). 單體從 75 公分高處, X.Y.Z.3 個方向,各 3 回,落於 40mm 厚木板上.	

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G. ENVIRONMENT TEST 環境測試

No.	Item	Test condition	Evaluation standard
1	High temp. test 高溫測試	After being placed in a chamber at +85℃ for 120 hours. 置於+85℃環境中 120 小時	After the test the part shall meet specifications with-out any degradation in appearance and performance except SPL. after 4 hours at +25℃. the SPL should be in ±10dBA compared with initial one. 經測試後，靜置於+25℃（室溫）環境中 4 小時後，單體除音壓外，外觀及電氣特性須符合規格. 輸出音壓變化量須在±10dBA內.
2	Low temp. test 低溫測試	After being placed in a chamber at –40℃ for 120 hours. 置於-40℃環境中 120 小時	
3	Thermal Shock 熱衝擊試驗	The part shall be subjected to 10 cycles. One cycle shall consist of; 對單體施以熱衝擊試驗 10 次循環,其循環內容如圖示 	
4	Temp./ Humidity Cycle 溫度/溼度循環測試	The part shall be subjected to 5 cycles. One cycle shall be 24 hours and consist of; 單體承受溫度/溼度循環測試 5 次.其循環內容如圖示 	

H. RELIABILITY TEST 信賴性測試

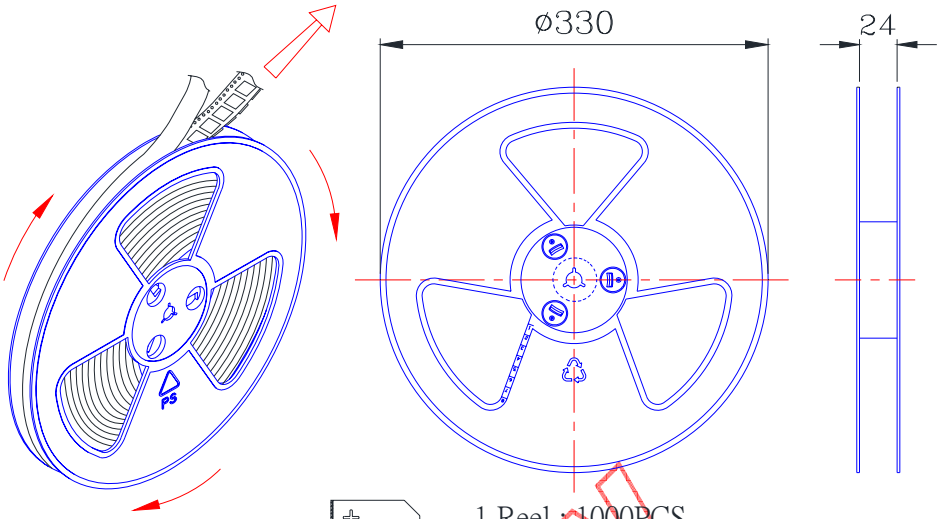
No.	Item	Test condition	Evaluation standard
1	Operating life test 壽命測試	1.Continuous life test 高溫壽命測試(連續) The part shall be subjected to 72 hours at +70℃ withVo-p1.5V , 2730Hz applied. 在+70℃環境下, 輸入 Vo-p1.5V , 2730Hz 連續操作 72 小時. 2.Intermittent life test 室溫壽命測試(間歇) A duty cycle of 1 minute on, 1 minutes off, a minimum of 5000 times at room temp.(+25±10℃) withVo-p1.5V , 2730Hz applied. 在室溫下(+25±10℃), 輸入 Vo-p1.5V , 2730Hz 通電 1 分鐘/斷電 1 分鐘, 測試 5000 次循環.	After the test the part shall meet specifications with-out any degradation in appearance and performance except SPL. after 4 hours at +25℃. the SPL should be in ±10dBA compared with initial one. 經測試後，靜置於+25℃（室溫）環境中 4 小時後，單體除音壓外，外觀及電氣特性須符合規格. 輸出音壓變化量須在±10dBA內.

TEST CONDITION.

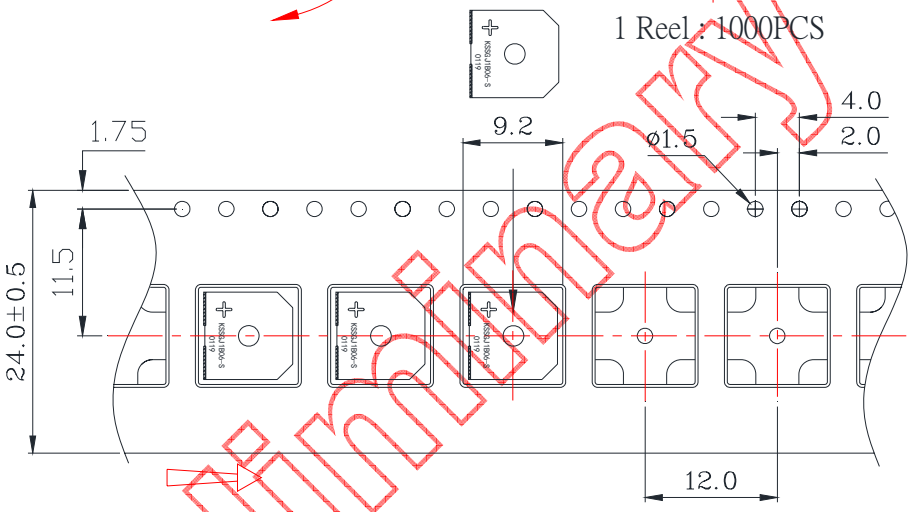
Standard Test Condition	:	a) Temperature : +5 ~ +35℃	b) Humidity : 45-85%	c) Pressure : 860-1060mbar
一般測試條件	:	a) 溫度 : +5 ~ +35℃	b) 濕度 : 45-85%	c) 氣壓 : 860-1060mbar
Judgement Test Condition	:	a) Temperature : +25 ± 2℃	b) Humidity : 60-70%	c) Pressure : 860-1060mbar
爭議時測試條件	:	a) 溫度 : +25 ± 2℃	b) 濕度 : 60-70%	c) 氣壓 : 860-1060mbar

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I. PACKING STANDARD 包裝規格

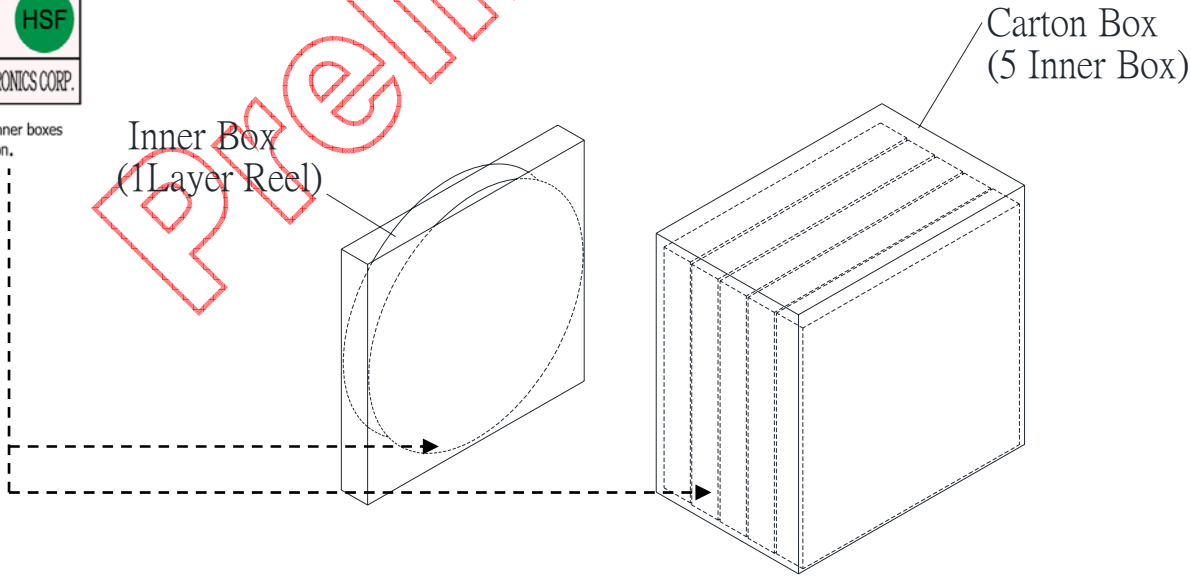


1 Reel : 1000PCS



Lot No.	XXXXXXXXXX
Part No.	XXXXXXXXXX
Quantity	XXXX PCS
Date: DD MM YY	HSF
KINGSTATE ELECTRONICS CORP.	

* The label sticked on inner boxes and the outer of carton.



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Inner Box	340mmx340mmx30mm	1x1000PCS=1000PCS
Carton Box	350mmx355mmx175mm	5x1000PCS=5000PCS