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ROHS

SPECIFICATION OF PRODUCT
承 认 书

CUSTOMER: _____

DESCRIPTION： Magnetic Buzzer

ILOSAM P/N: ISM-8530H

CUSTOMER P/N: _____

DATE： 2018-8-28

CUSTOMER	APPROVER	CHECKER
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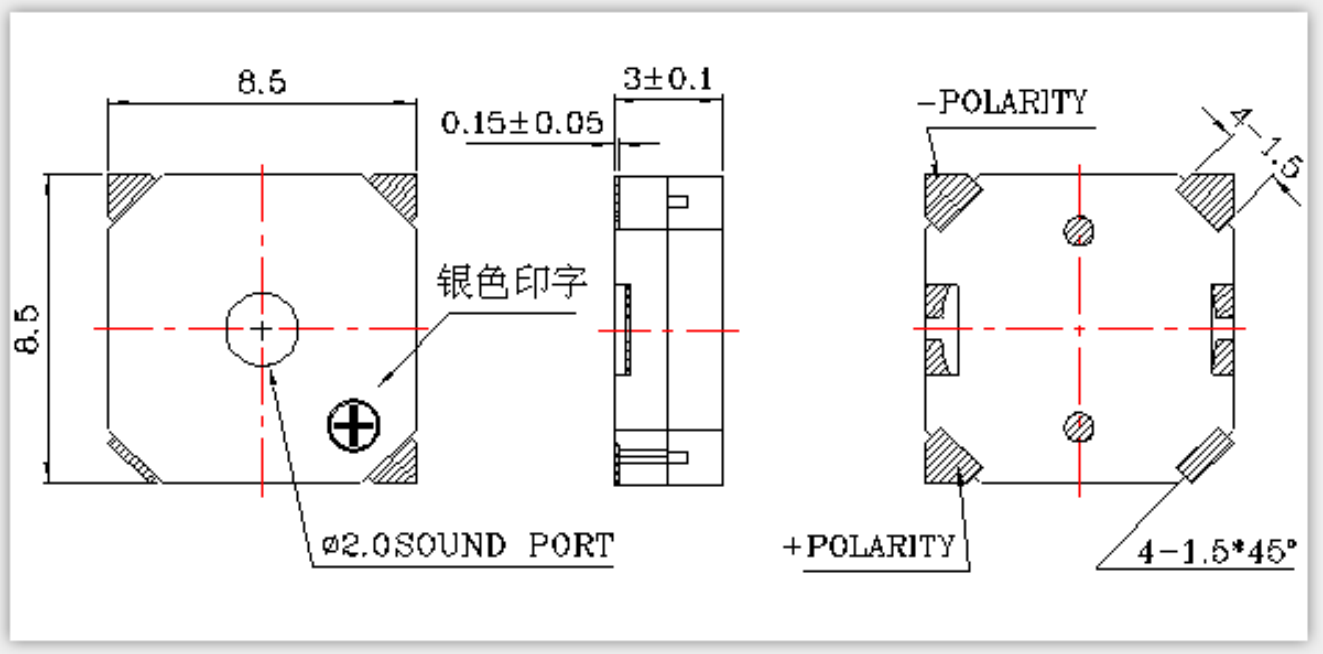
1.SPECIFICATION 规格

No.	Item	Unit	Specification		Condition
			ISM-8530H-16R	ISM-8530H-32R	
1	Oscillation Frequency	Hz	2700		Vo-p=1/2duty , square wave
2	Operating Voltage	Vo-p	2.5~4.5	4~7	
3	Rated Voltage	Vo-p	3.6	5.0	
4	Current Consumption	mA	MAX. 100		at Rated Voltage
5	Sound Pressure Level	dB	MIN. 85	MIN. 90	at 10cm at Rated Voltage
6	Coil Resistance	Ω	16±3	30±3	
7	Operating Temperature	℃	-20 ~ +60		
8	Storage Temperature	℃	-30 ~ +80		
9	Dimension	mm	8.5 x 8.5 x H3.0		See appearance drawing
10	Weight (MAX)	gram	0.8		
11	Housing Material		LCP(Black)		
12	Leading Pin		Tin Plated Brass(Sn)		See appearance drawing
13	Environmental Protection Regulation		RoHS		

2. APPEARANCE DRAWING 尺寸图



Tol : ± 0.5 **Unit: mm**

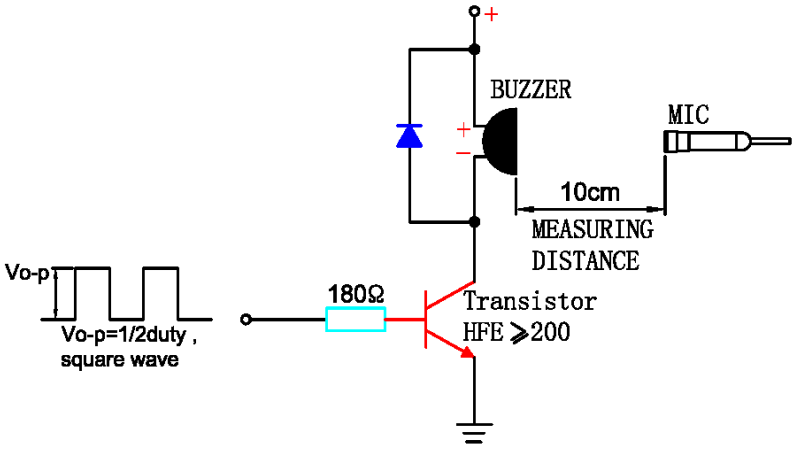
3.TESTING METHOD 测量方式

Standard Measurement conditions

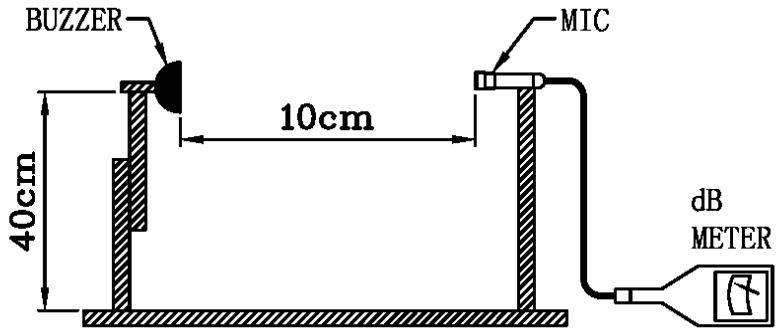
Temperature:25±2℃ Humidity:45-65%

Acoustic Characteristics:

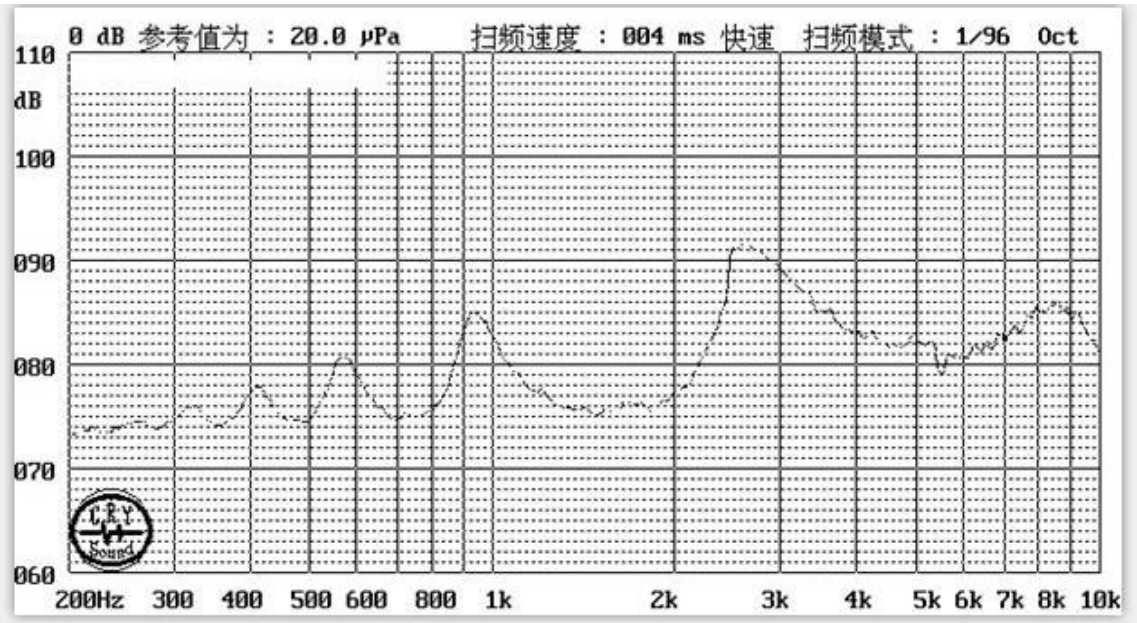
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below



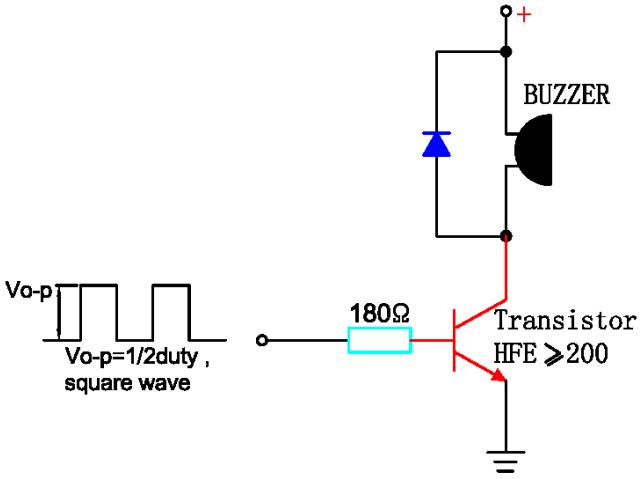
In the measuring test, buzzer is placed as follows:



4. Typical Frequency Response Curve 频率



5. Recommend Driving Circuit



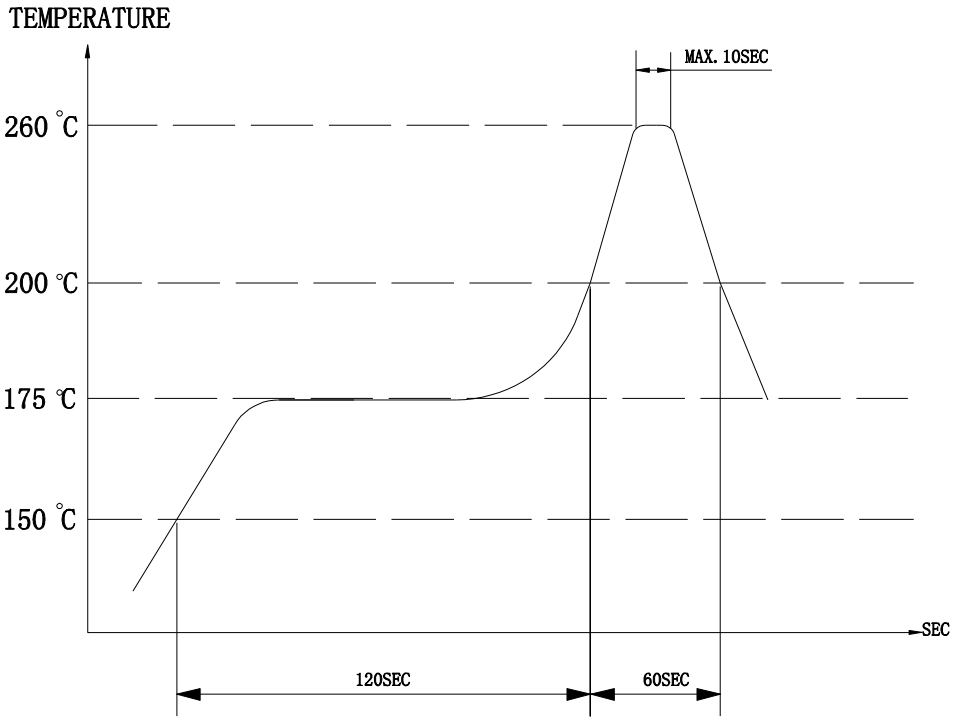
The base current Ib should high enough so that it saturates the collector current of the transistor with the CB load.

6. Soldering Condition

(1)Recommendable reflow soldering condition is as follows

(Reflow soldering is twice)

Note:It is requested that reflow soldering should be executed after heat of product goes down to normal.



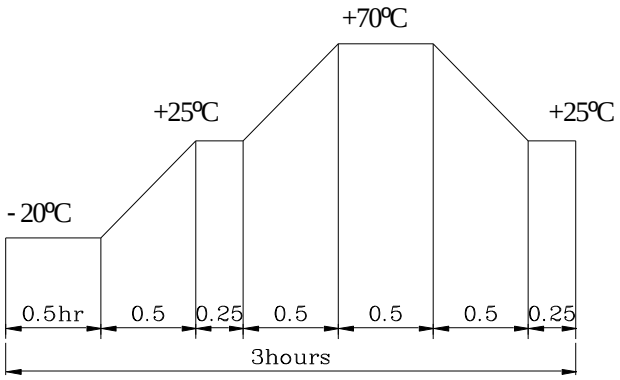
Heat resistant line

(Used when heat resistant reliability test is performed)

(2)Manual soldering

Manual soldering temperature 350 ℃ within 5 sec.

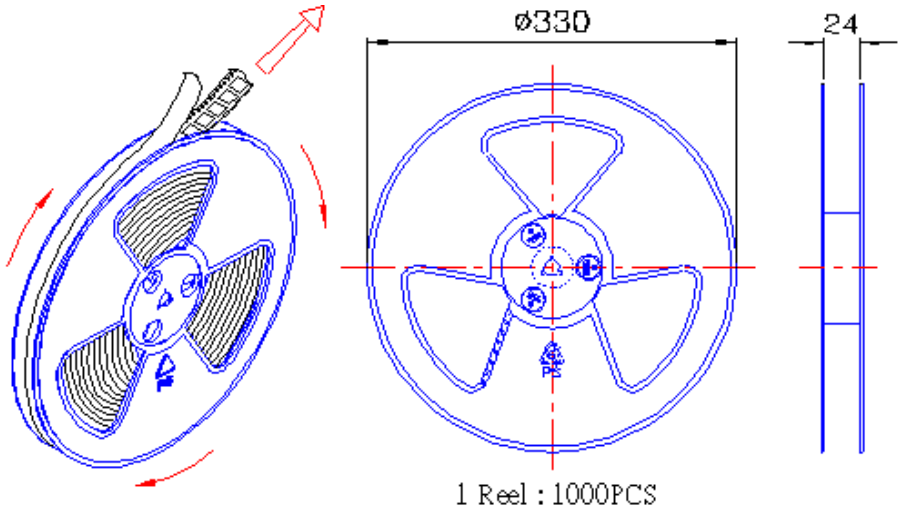
7. RELIABILITY TEST 可靠性测试

NO.	ITEM	TEST CONDITION AND REQUIREMENT
1	High Temperature Test (Storage)	After being placed in a chamber with 80 2℃ for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.
2	Low Temperature Test (Storage)	After being Placed in a chamber with -30 2℃ for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.
3	Humidity Test	After being Placed in a chamber with 90-95% R.H. at 40 2℃ for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.
4	Temperature Cycle Test	The part shall be subjected to 5 cycles. One cycle shall be consist of：  Allowable variation of SPL after test: 10dB.
5	Drop Test	Drop on a hard wood board of 4cm thick, any directions ,6 times, at the height of 75cm . Allowable variation of SPL after test: 10dB.
6	Vibration Test	After being applied vibration of amplitude of 1.5mm with 10 to 55 Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours . Allowable variation of SPL after test: 10dB.
7	Solderability Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of +300 5℃ for 3 1 seconds . 90% min. lead terminals shall be wet with solder (Except the edge of terminals).
8	Terminal Strength Pulling Test	The force of 9.8N(1.0kg) is applied to each terminal in axial direction for 10 seconds. No visible damage and cutting off.

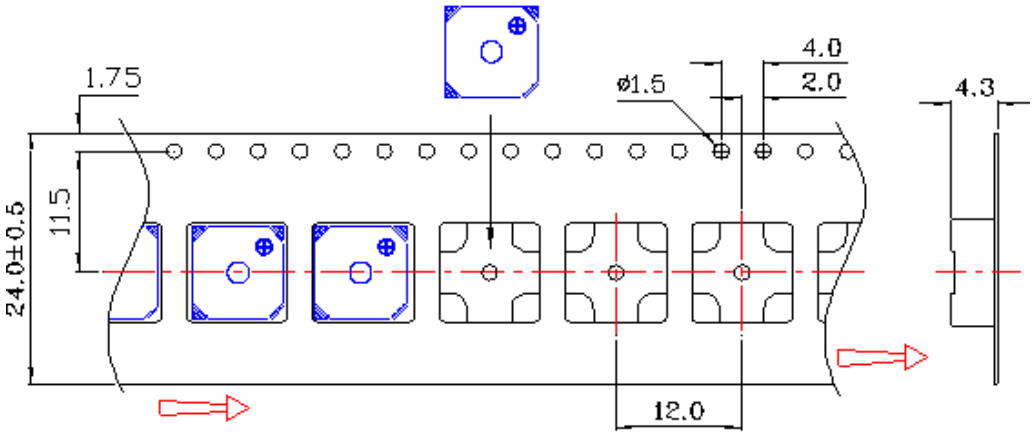
TEST CONDITION.

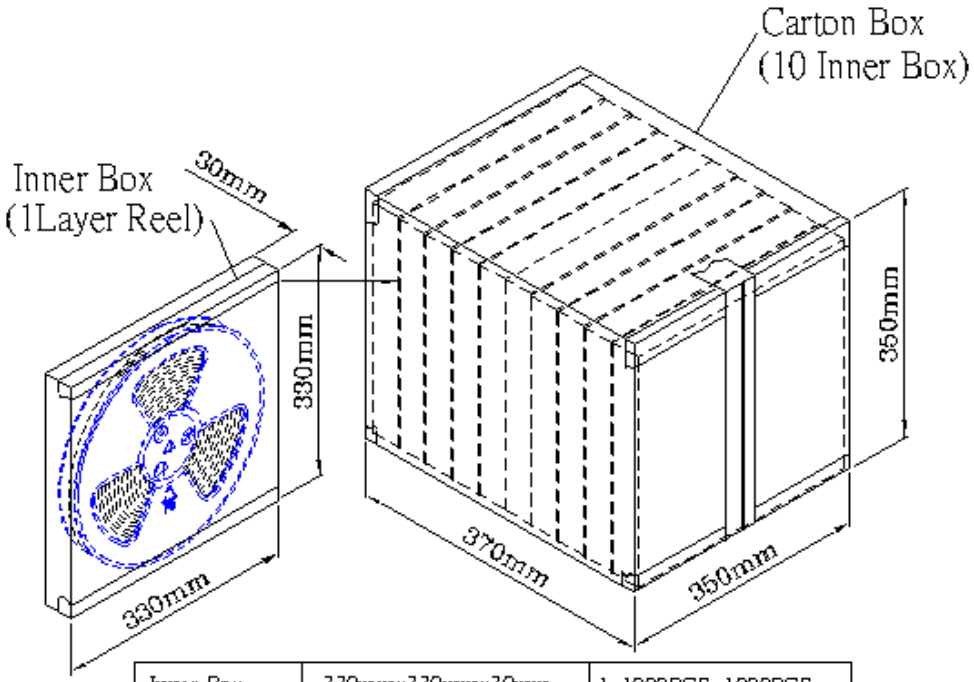
Standard Test Condition	:	a) Temperature : +5 ~ +35℃	b) Humidity : 45-85%	c) Pressure : 860-1060mbar
一般测试条件	:	a) 温度 : +5 ~ +35℃	b) 湿度 : 45-85%	c) 气压 : 860-1060mbar
Judgment Test Condition	:	a) Temperature : +25 ± 2℃	b) Humidity : 60-70%	c) Pressure : 860-1060mbar
争议时测试条件	:	a) 温度 : +25 ± 2℃	b) 湿度 : 60-70%	c) 气压 : 860-1060mbar

8. PACKING STANDARD 包装



1 Reel : 1000PCS





Inner Box	330mmx330mmx30mm	1x1000PCS=1000PCS
Carton Box	350mmx350mmx370mm	10x1000PCS=10,000PCS