SPECIFICATION FOR APPROVAL 书 承 认

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Description

Vender's Part No.

Customer's. Part No.

Serial No.

Version No.

Magnetic Buzzer

: SMD-090032H-03027

FDM-1685

1.1

CUSTOMER'S APPROVED SIGNATURE			



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Approved By	Checked By	Made By

A. SCOPE

This specification applies magnetic buzzer, SMD-090032H-03027

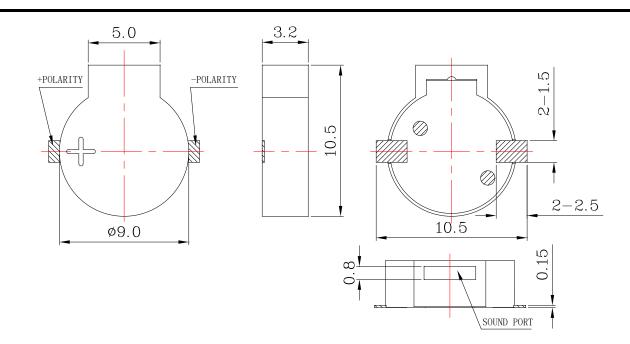
B. SPECIFICATION

No.	ltem	Unit	Specification	Condition
1	Oscillation Frequency	Hz	2700	Vo-p=1/2duty , square wave
2	Operating Voltage	Vo-p	2~4	
3	Rated Voltage	Vo-p	3	
4	Current Consumption	mA	MAX. 100	at Rated Voltage
5	Sound Pressure Level	dB	MIN. 85	at 10cm at Rated Voltage
6	Coil Resistance	Ω	16±3	
7	Operating Temperature	°C	-30 ~ +70	
8	Storage Temperature	°C	-40 ~ +85	
9	Dimension	mm	Ф9.0x H3.2	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	

C. APPEARANCE DRAWING



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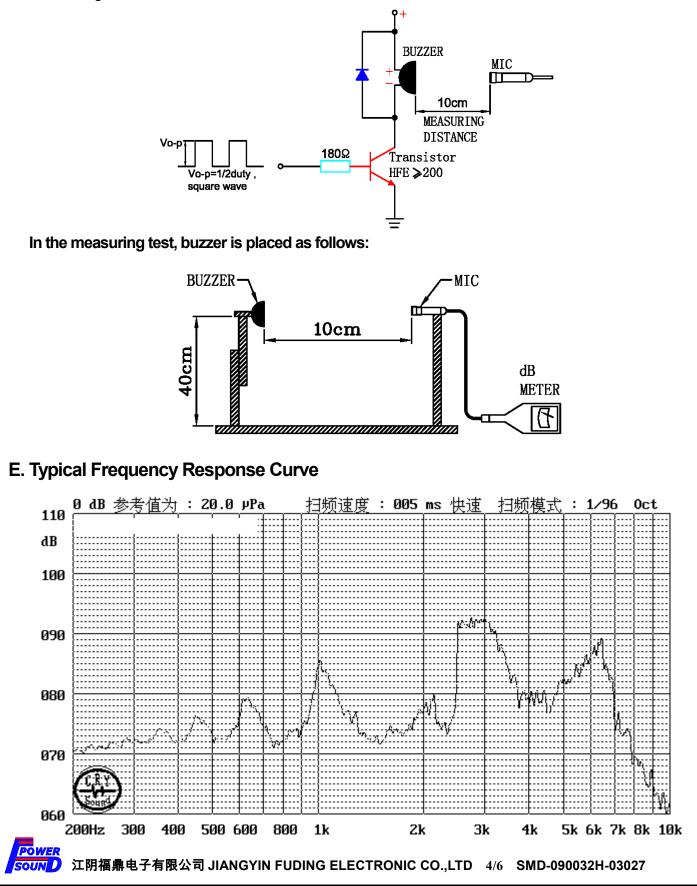
D.TESTING METHOD

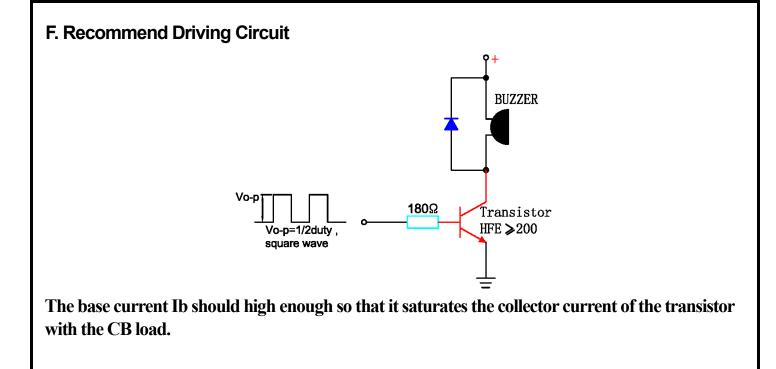
Standard Measurement conditions

Temperature:25±2°C Humidity:45-65%

Acoustic Characteristics:

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

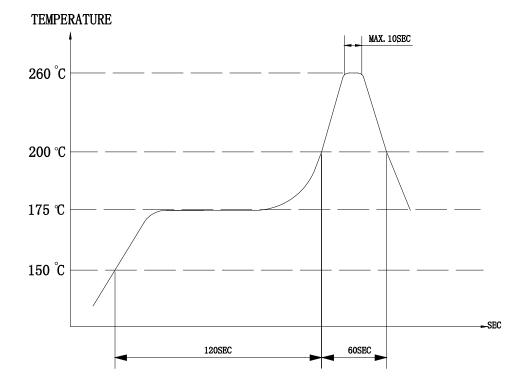




G. Soldering Condition

(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 °C within 5 sec.

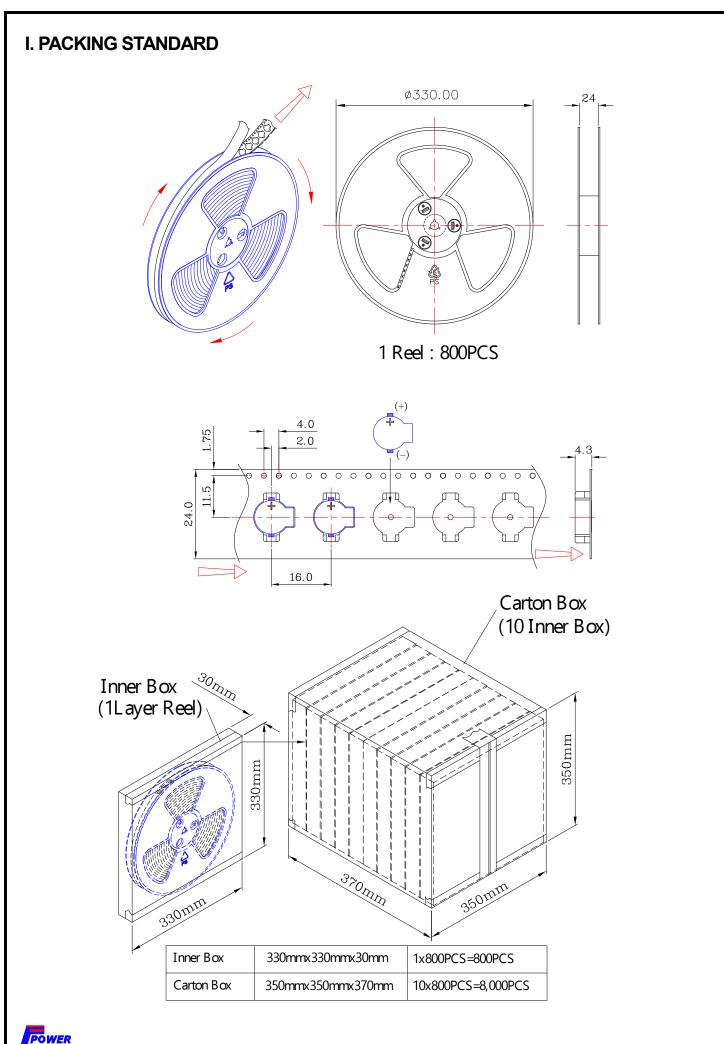


H. RELIABILITY TEST

NO.	ITEM	TEST CONDITION AND REQUIREMENT		
1	High Temperature	After being placed in a chamber with 85 2°C for 96 hours and then being placed in normal condition for 2 hours.		
	Test (Storage)	Allowable variation of SPL after test: 10dB.		
	Low Temperature	After being Placed in a chamber with -40 2°C for 96 hours and then		
2	Test (Storage)	being placed in normal condition for 2 hours.		
	1001 (0101050)	Allowable variation of SPL after test: 10dB.		
3	Humidity Test	After being Placed in a chamber with 90-95% R.H. at 40 2°C for 96 hours and then being placed in normal condition for 2 hours.		
5	Thurnonly Test	Allowable variation of SPL after test: 10dB.		
		The part shall be subjected to 5 cycles. One cycle shall be consist of :		
		The part shall be subjected to 5 cycles. One cycle shall be consist of .		
		+70°C		
4	Temperature Cycle Test			
		+25°C +25°C		
		-30°C		
		0.5 hr $0.5 0.25 0.5 0.5 0.5 0.5 0.5 0.5 0.25 0.5 0.5 0.5 0.25 0.5 0.5 0.5 0.25 0.5 0.5 0.25 0.5 0.5 0.5 0.25 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.$		
		Allowable variation of SPL after test: 10dB.		
		Drop on a hard wood board of 4cm thick, any directions ,6 times,		
5	Drop Test	at the height of 75cm.		
	1	Allowable variation of SPL after test: 10dB.		
		After being applied vibration of amplitude of 1.5mm with 10 to 55 Hz		
6	Vibration Test	band of vibration frequency to each of 3 perpendicular directions for 2 hours.		
		Allowable variation of SPL after test: 10dB.		
		Lead terminals are immersed in rosin for 5 seconds and then		
7	Solderability Test	immersed in solder bath of $+300 5^{\circ}$ C for $3 1$ seconds.		
7		90% min. lead terminals shall be wet with solder		
		(Except the edge of terminals).		
0	Terminal Strength	The force of 9.8N(1.0kg) is applied to each terminal in axial direction for		
8	Pulling Test	10 seconds.		
	_	No visible damage and cutting off.		

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)





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