SPECIFICATION FOR APPROVAL

Customer:

Description: Magnetic Buzzer

Soberton Part No. : ST-03BL-1

Date: 2015-02-26

Customer Model No. :

Date of Approval	
Authorization	
Signature	

SOBERTON, INC.

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Approved	Checked	Design
Jasmine	Frank	Jim
2015/2/26	2015/2/26	2015/2/26

MODEL NUMBER	CUSTOMER NUMBER	PRODUCT TYPE	REVISION	DATE	PAGE
ST-03BL-1		Magnetic Buzzer	А	2015/2/26	2/6

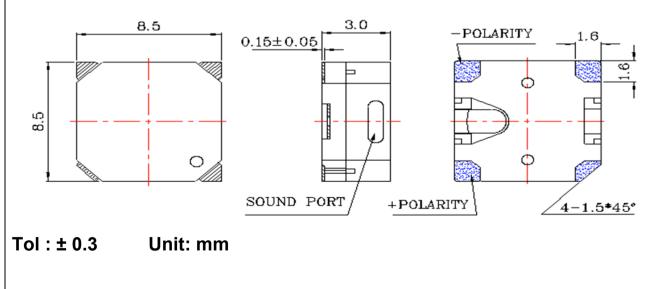
A:SCOPE

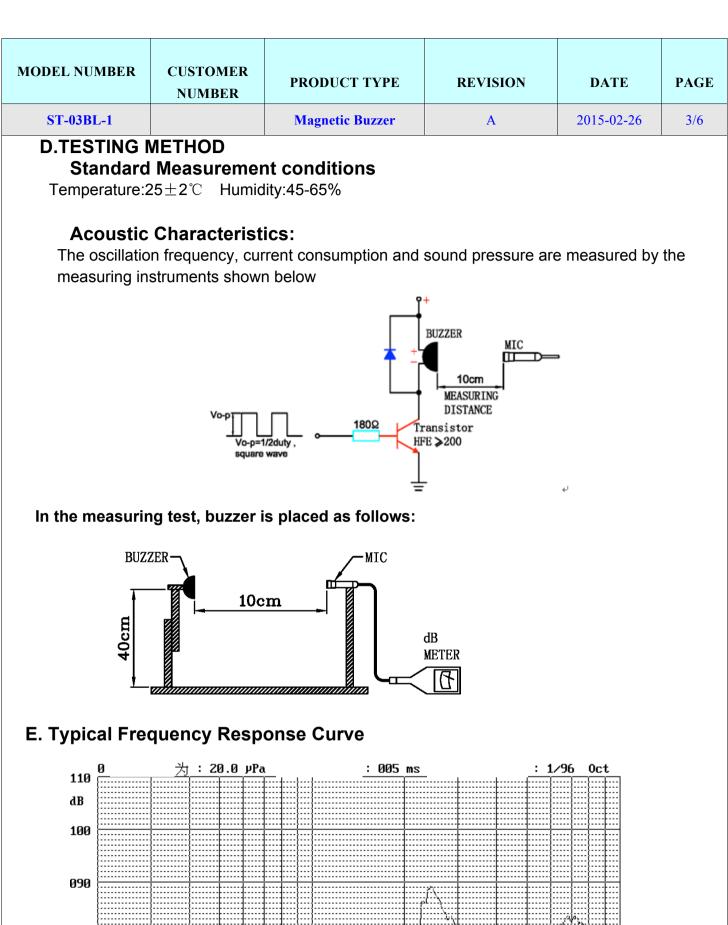
This specification applies Magnetic Buzzer, ST-03BL-1

B:SPECIFICATION

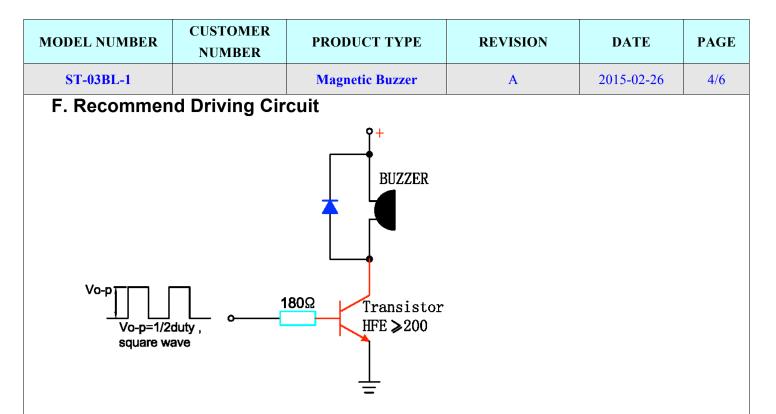
	Item	Unit	Specification	Condition
1	Oscillation Frequency	Hz	2300	Vo-p=1/2duty , square wave
2	Operating Voltage	Vo-p	2.5~4.5	
3	Rated Voltage	Vo-p	3.6	
4	Current Consumption	mA	MAX. 100	at Rated Voltage
5	Sound Pressure Level	dB	MIN. 87	at 10cm at Rated Voltage
6	Coil Resistance	Ω	16±3	
7	Operating Temperature	°C	-20 ~ +70	
8	Storage Temperature	°C	-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	

C.APPEARANCE DRAWING





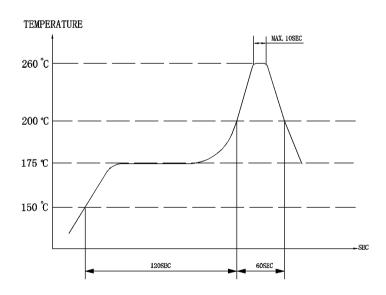




The base current Ib should high enough so that it saturates the collector current of the transistor with the CB load.

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



Heat resistant line

(Used when heat resistant reliability test is performed)

(2)Manual soldering

Manual soldering temperature 350° C within 5 sec.

ST-03BL-1	NUME	_	Magnetic Buzzer	A	2015-02-26	5/6
H. RELI		EST				
	ITEM		TEST COND	ITION AND REQUIRI	EMENT	
-	High Temperature Test (Storage)		After being placed in a chamber with 80±2°C 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°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: ±10dB.			
3 Hur	After being Placed in a chamber with 90-95% R.H. at 40±2°C for 96Humidity Testhours and then being placed in normal condition for 2 hours.Allowable variation of SPL after test: ±10dB.					
4 Tempo	Temperature Cycle Test		vable variation of SPL after t	25 0.5 0.5 0. 3hours test: ±10dB.		
5 D	rop 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 Vib	ration Test	band 2 hou	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 Sol	derability Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of +300±5°C for 3±1 seconds . 90% min. lead terminals shall be wet with solder (Except the edge of terminals).				
8	inal Strength lling 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.				

