

SPECIFICATION					
<u>FC</u>	OR APPRONAL				
Customer	:				

Product Name : SMD Buzzer

Model Name : VS5020B

Drawing No. : VS20181215011

Signature of Voise

Approved by	Checkde by	Issued by	Date



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Moc Table 1. Revisi 2. Scope 3. Gener	del No.: VS502 of conten	:0B	SMD Buzzer	Revision No. Drawing No.	1.0
Table 1. Revisi 2. Scope 3. Gener				Drawing No.	
1. Revisi 2. Scope 3. Gener	of conten	4-		5	VS201812150
5. Reliat 6. Measi 7. Recor	e ral Characterisi ical and Acous pility Test urement Metho mmended temp mmended circu nsions	tics tic Cha od & Fre perature	racteristics. equency Response curve e profile for reflow oven		
1. Rev Rev.No		Page	Description of F	Revision	
1.0	2018/12/15		Prelimina	ry	



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2. Scope

This product specification is applied to the Magnetic Buzzer in alarm systems.Please contact us when using this product for any other applications than described in the above.

3. General Characteristics

:	5x5 mm
	:

3.2 Height : 2 mm

3.3 Weight : 0.3 g

3.4 Operating Temperature : $-30{\sim}{+}60\,^\circ\!{\rm C}$ without loss of function

3.5 Store Temperature : $-40{\sim}{+}80{^\circ}{\rm C}$ without loss of function

3.6 Environmental protection rule :ROHS

4. Electrical and Acoustic Characteristics.

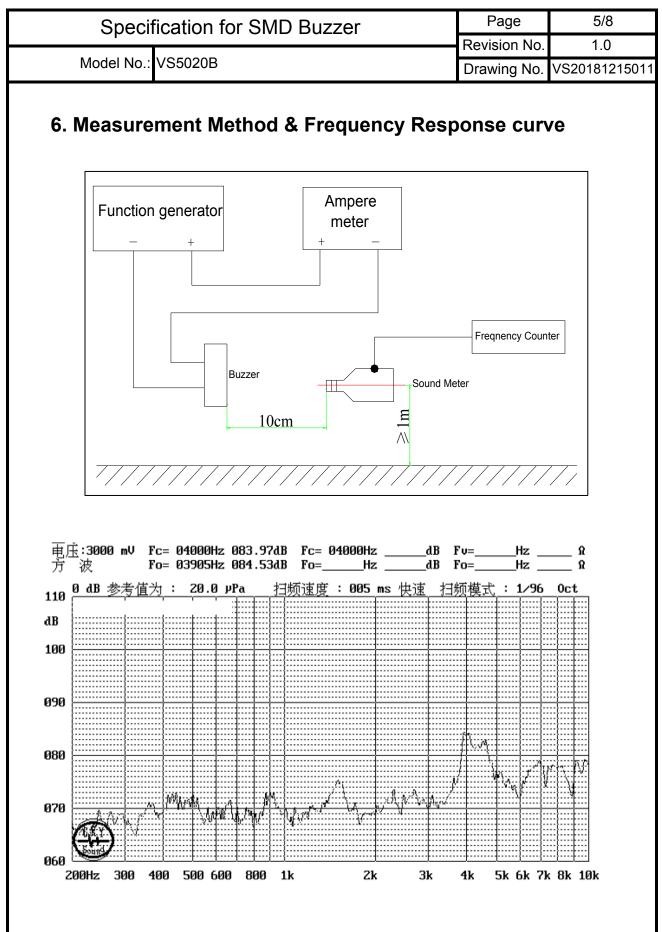
Test condition :15 ~ 35 °C Temp., 45% ~ 85% RH,86~106 kPa Refer to IEC60268-1

No	Items	Specification
1	Oscillation Frequency	4000Hz
2	Operating Voltage	2.0 ~4.0 Vo-p
3	Rated Voltage	3.0 Vo-р
4	Min Sound Preesure Level	80 at 10cm Rated Voltage
5	Max Current Consumption	100mA at Rated Voltage
6	Coil Resistance	12 ± 3Ω
7	Housing Material	LCP
8	Color	Black
9	Pad plating	Sn

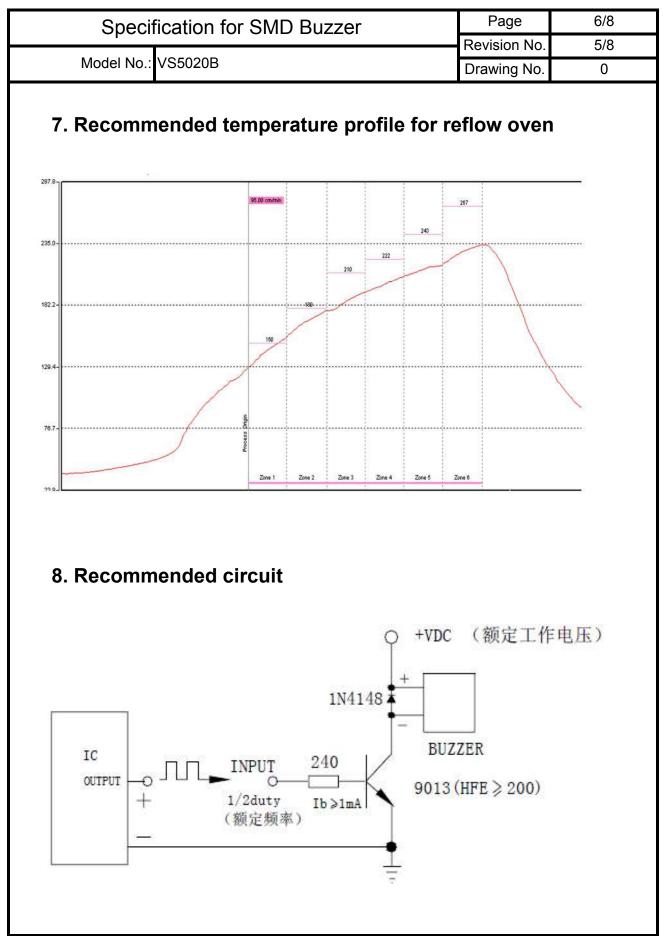


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5	,	Test), the buzzer S.P.L . difference shall be within ± ist any change to be harmful to normal operatio	10dB, and the	
No	Items	Specification		
1	High Temp.Test	After being placed in a chamber at +60 \pm 2 $^{\circ}$ C f placed in natural condition for 4h, and then ch		ı being
2	Low Temp.Test	First being placed in a chamber at -30 \pm 2 $^\circ\!\mathrm{C}$ t placed in natural condtion for 4h, and then ch		ו being
3	Temp./Humidity Test	The buzzer shall be subjected to 5 cycles + One cycle shall be 24 huors and consist of and then being placed in natural +250 for 4h ,and then check.	80 C 	a, b:90-98%RH C:80-98%RH 3h c
4	Thermal Shock Test	After being worked in a chamber at +60±2 °C shall be placed in a chamber at -30±2 °C for 0 diagram).The test duration is for 10 cycle.afte condition for 4 hour.and then check.	.5 hour(1 cycle	is the below
5	Vibration Test	Being applied vibration of amplitude of 1.5mm vibration frequency,X.Y.Z.3 direction.2 hours		
6	Drop Test	Free drop fram 0.75 meter height to a board 4 3 times in axes X.Y.Z. and be nothing mechar		
7	Solderability	Lead terminals are immersed in solder ba seconds.95% surface of lead pads must b solder.		
8	Soldering Heat Resistance	The product is followed the reflow temper reflow thermostability.No interference in o		test its
9	Terminal Strength Pulling	Lead pads shall be soldered on the pc bo 9.8N(1.0kg) shall be applied behaind the damage and cutting off.		
10	Continuous life test	The part shall be subjected to 72 hours at 4000Hz applied.after being placed in natu hour.and then check. The SPL shall be w	ral condition for	
11	Intermittent life test	A duty cycle of 1 minute on, 1 minute off, times at room temp.(25±10°C) with 3V Vo being placed in natural condition for 4 hou SPL shall be within ±10dB.	-p, 4000Hz ap	plied. after











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9. Dimensions		
FIRST ANGLE PROJECTION	UNIT Tolerat	: mm nce : ±0.2



