

SPECIFICATION FOR APPRONAL

Customer

Product Name SMD Buzzer

.

Model Name VS9045F27V3 2

Drawing No. VS20230629011

Signature of Voise

Approved by	Checkde by	Issued by	Date



Address:No 96 Mogao Dongqian Lake Industial Area ningbo, China, Tel:0086-0574-87773030;Fax:0086-0574-87471600 P.C.315121 http://www.nbvoise.com Email:sales@nbvoise.com



C C	Specification	n for 9	SMD Buzzer	Page	2/8
Ċ.	specification			Revision No.	1.0
Mod	el No.: VS9045	F27V3			VS2023062
 Revisi Scope Gener Gener Electri Reliab Measu Record 	al Characteristi cal and Acousti ility Test ırement Methoo	cs c Chara I & Freo erature	quency Response curve profile for reflow oven		
1. Rev Rev.No.		Page	Description of R	ription of Revision	
1.0	2023/6/29		Preliminar	ТУ	



Specification for SMD Buzzer	Page	3/8
· · ·	Revision No.	1.0
Model No.: VS9045F27V3	Drawing No.	VS20230629011

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

9 mm

- 3.2 Height 4.5 mm :
- 3.3 Weight : 1 g
- 3.4 Operating Temperature : -40~+80°C without loss of function
- 3.5 Store Temperature : -40~+85°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	2700 Hz
2	Operating Voltage	2~5V
3	Rated Voltage	3 V
4	Min Sound Preesure Level	85 at 10cm Rated Voltage/2700Hz,Square wave 1/2duty
5	Max Current Consumption	80mA at Rated Voltage/2700Hz,Square wave 1/2duty
6	Coil Resistance	16 ± 5Ω
7	Housing Material	LCP
8	Color	Black
9	Pad plating	Sn



Specification for SMD Buzzer			Page	4/8
	•		Revision No.	1.0
	Model No.: VS	9045F27V3	Drawing No.	VS202306290
5	· ·	Test), the buzzer S.P.L . difference shall be within : ist any change to be harmful to normal operati		
No	Items	Specification		
1	High Temp.Test	After being placed in a chamber at +80±2 $^\circ C$ for 96h and then being placed in natural condition for 4h, and then check.		
2	Low Temp.Test	First being placed in a chamber at -40±2 °C for 96h and then being placed in natural condtion for 4h, and then check.		
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 +25 for 4h ,and then check.	c a b b	a, b:90-98%RH C:80-98%RH 3h c
4	Thermal Shock Test	After being worked in a chamber at $+80\pm2$ °C for 0.5 hour, then sounder shall be placed in a chamber at -40 ± 2 °C for 0.5 hour(1 cycle is the below diagram).The test duration is for 10 cycle.after being placed in natural condition for 4 hour.and then check.		
5	Vibration Test	Being applied vibration of amplitude of 1.5mm with 10-55Hz band of vibration frequency,X.Y.Z.3 direction.2 hours each, total 6 hours.		
6	Drop Test	Free drop fram 0.75 meter height to a board 40mm thick hard wood board 3 times in axes X.Y.Z. and be nothing mechanical damage. tatol 9 times.		
7	Solderability	Lead terminals are immersed in solder bath of +235±5℃ for 3±1 seconds.95% surface of lead pads must be covered with fresh solder.		
8	Soldering Heat Resistance	The product is followed the reflow temperation thermostability. No interference in operation.	on curve to test its	s reflow

Lead pads shall be soldered on the pc board, and the force 9.8N(1.0kg) Terminal 9 shall be applied behaind the part for 10 seconds.No damage and cutting Strength Pulling off. The part shall be subjected to 72 hours at +85°C with 3V Vo-p, 2700Hz 10 Continuous life test applied.after being placed in natural condition for 4 hour.and then check. The SPL shall be within ±10dB.

A duty cycle of 1 minute on, 1 minute off, a minimum of 5000 times at room temp.(25±10 $^\circ C$) with 3V Vo-p, 2700Hz applied. after being placed in 11 Intermittent life test natural condition for 4 hour.and then check. The SPL shall be within ± 10dB.















