

SPECIFICATION FOR APPROVAL

承 认 书

Description : Magnetic Buzzer

Vender's Part No. : FDB-160140F-06022

Customer's. Part No. : _____

Serial No. : FDM-2019

Version No. : 1.1

CUSTOMER'S APPROVED SIGNATURE		



JIANGYIN FUDING ELECTRONIC CO.,LTD

江 阴 福 鼎 电 子 有 限 公 司

YueFeng Road, Yue Cheng Town, Jiang Yin City.

TEL: +86-0510-86582084

FAX: +86-0510-86586736

E-Mail: tj@jy-fuding.com/fudingdz@126.com

Http: //www.jy-fuding.com

Approved By	Checked By	Made By

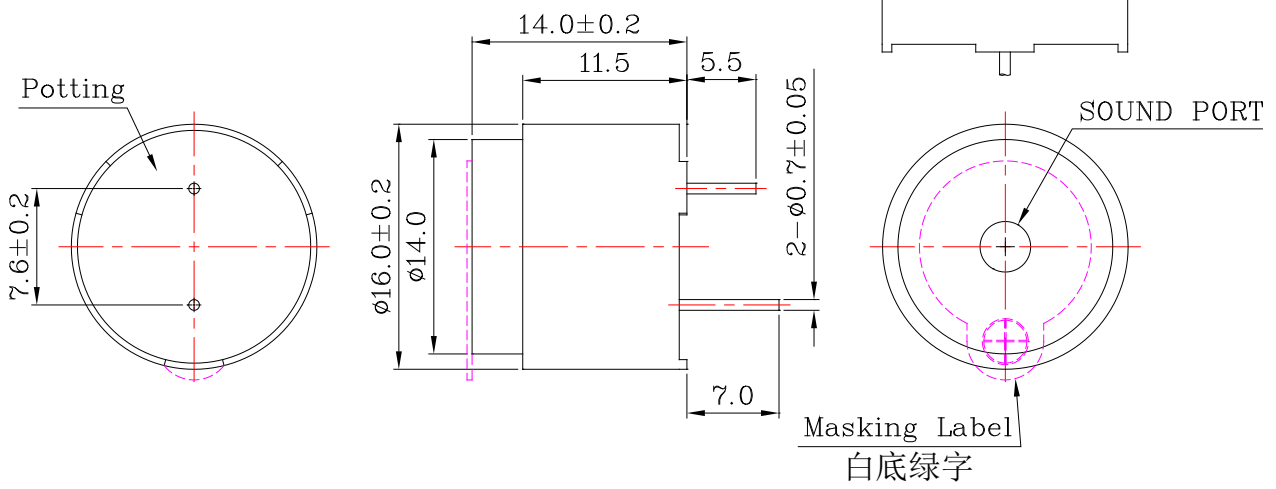
A. SCOPE

This specification applies magnetic buzzer, **FDB-160140F-06022**

B. SPECIFICATION

No.	Item	Unit	Specification	Condition
1	Oscillation Frequency	KHz	2.2 ± 0.3	
2	Operating Voltage	VDC	3 ~ 9	
3	Rated Voltage	VDC	6	
4	Current Consumption	mA	MAX. 30	at Rated Voltage
5	Sound Pressure Level	dB	MIN. 85	at 10cm at Rated Voltage
6	Tone/Pulse Rate		Constant	
7	Operating Temperature	°C	-30 ~ +75	
8	Storage Temperature	°C	-40 ~ +85	
9	Dimension	mm	16 x H14	See appearance drawing
10	Weight (MAX)	gram	7	
11	Housing Material		PBT(Black)	
12	Leading Pin		Tin Plated Brass(Sn)	See appearance drawing
13	Environmental Protection Regulation		RoHS	

C. APPEARANCE DRAWING



Tol : ± 0.5 Unit: mm

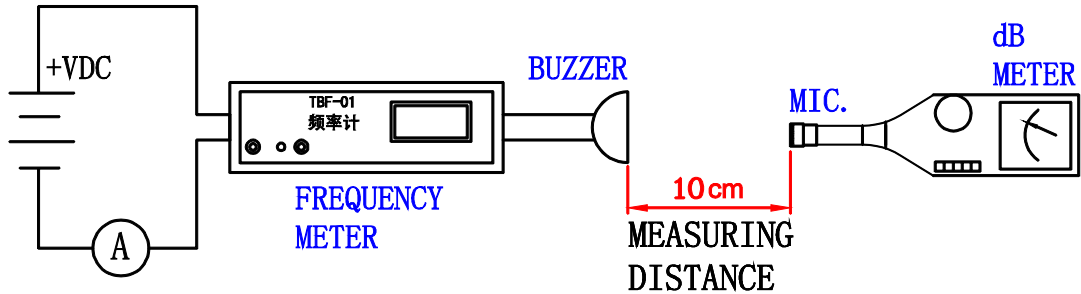
D. TESTING METHOD

Standard Measurement conditions

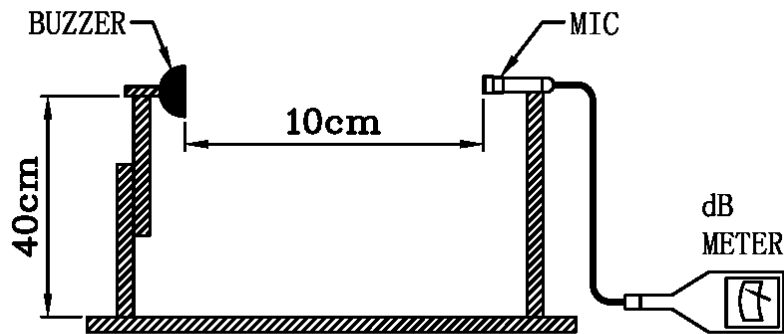
Temperature: $25 \pm 2^\circ\text{C}$ Humidity: 45-65%

Acoustic Characteristics:

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



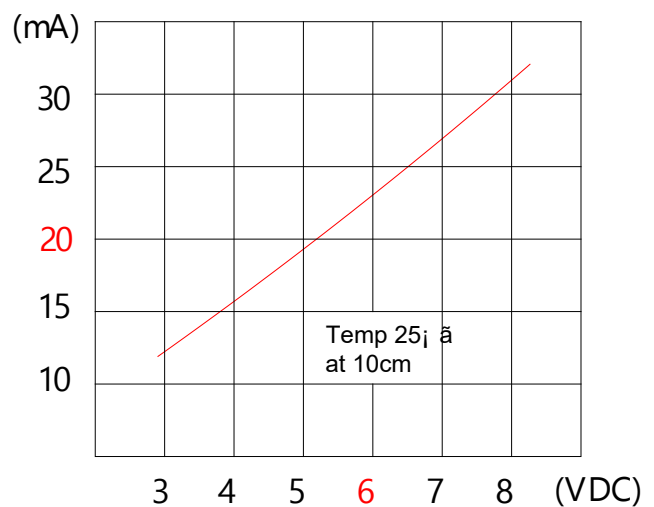
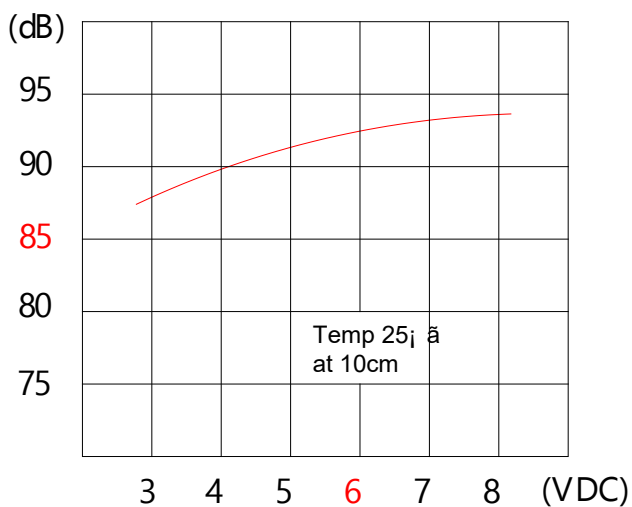
In the measuring test, buzzer is placed as follows:



E. VOLTAGE / CURRENT / SOUND PRESSURE CHARACTERISTICS

dB-V

mA-V



F. RELIABILITY TEST

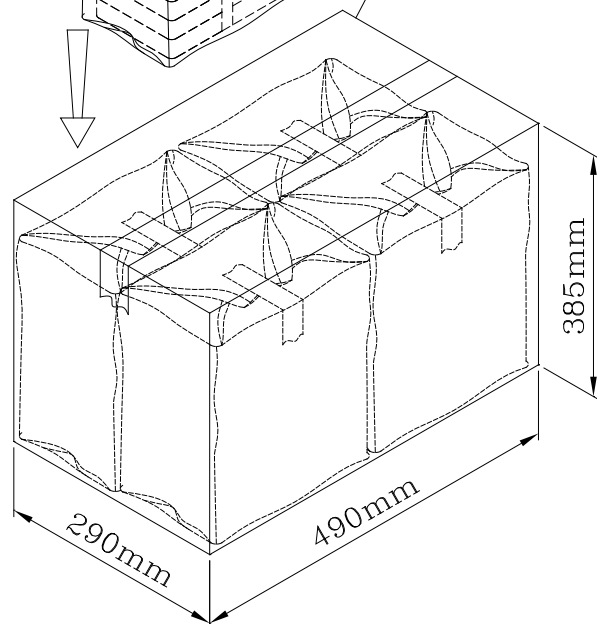
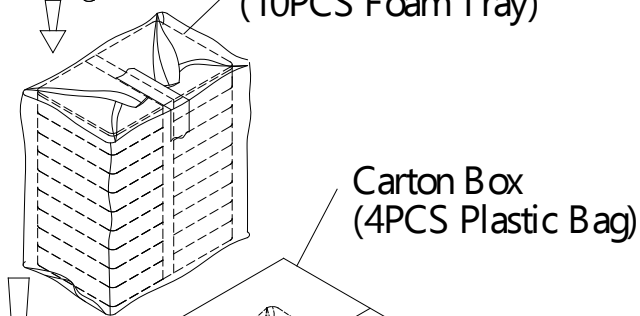
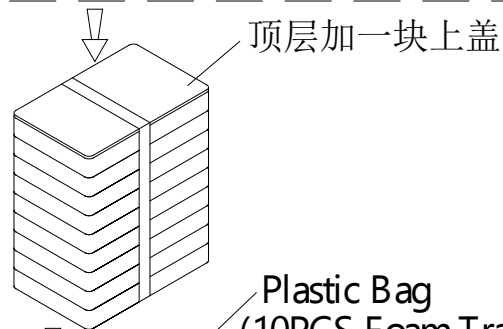
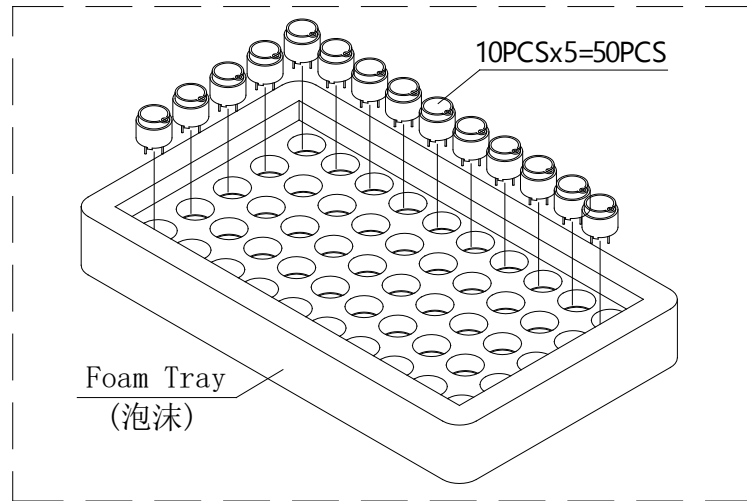
NO.	ITEM	TEST CONDITION AND REQUIREMENT
1	High Temperature Test (Storage)	After being placed in a chamber with 85 2°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.
2	Low Temperature Test (Storage)	After being Placed in a chamber with -40 2°C 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°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB.
4	Temperature Cycle Test	<p>The part shall be subjected to 5 cycles. One cycle shall be consist of :</p> <p>The diagram shows a temperature cycle profile over 3 hours. It starts at -30°C for 0.5 hours, then ramps up to +25°C in 0.5 hours, holds at +25°C for 0.25 hours, ramps up to +75°C in 0.5 hours, holds at +75°C for 0.5 hours, ramps down to +25°C in 0.5 hours, and holds at +25°C for 0.25 hours. The total cycle time is 3 hours.</p> <p>Allowable variation of SPL after test: 10dB.</p>
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°C 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°C	b) Humidity : 45-85%	c) Pressure : 860-1060mbar
一般测试条件	:	a) 温度 : +5 ~ +35°C	b) 湿度 : 45-85%	c) 气压 : 860-1060mbar
Judgment Test Condition	:	a) Temperature : +25 ± 2°C	b) Humidity : 60-70%	c) Pressure : 860-1060mbar
争议时测试条件	:	a) 温度 : +25 ± 2°C	b) 湿度 : 60-70%	c) 气压 : 860-1060mbar

G. PACKING STANDARD





Foam Tray	230mmx135mmx35mm	1x50PCS=50PCS
Plastic Bag		10x50PCS=500PCS
Carton Box	490mmx290mmx385mm	4x500PCS=2000PCS