

MANORSHI ELECTRONICS CO., LTD

PRODUCT SPECIFICATION

Product Name:

SMD Buzzer

Part Number: <u>SM08ET03AV3.6R16SH</u>

Document No:

Date: _____2021.05.31

DRAWING BY	CHECKED BY	APPROVED BY
CHEN YUAN	YUE QIN	JIN LI

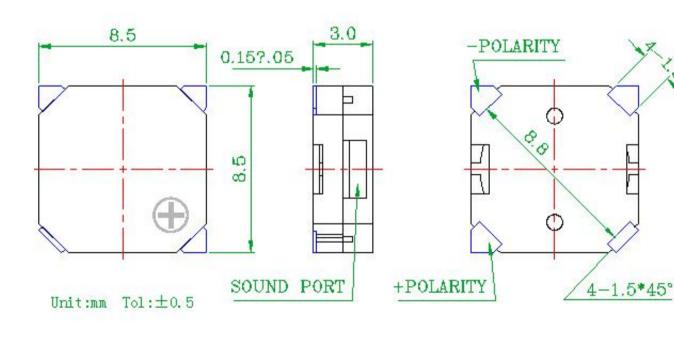
1.. ELECTRICAL AND ACOUSTICAL SPECIFICATION



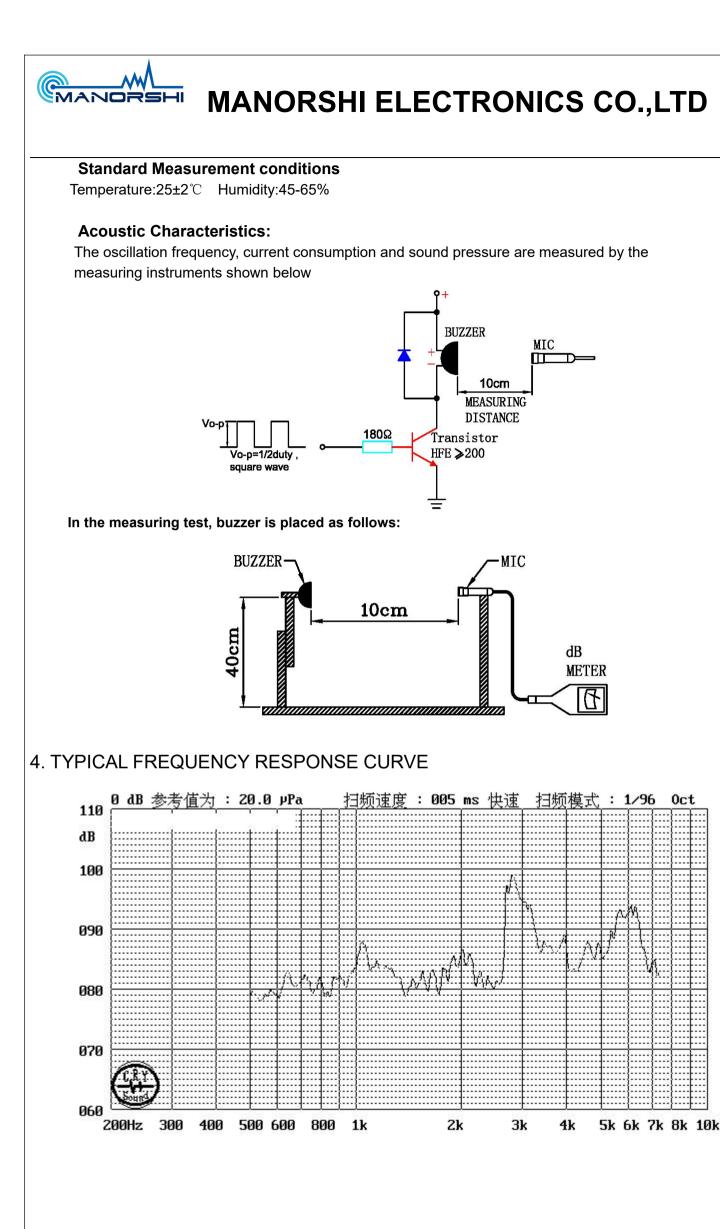
MANORSHI ELECTRONICS CO., LTD

No.	Item	Unit	Specification	Condition
1	Oscillation Frequency	Hz	2731	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. 86	at 10cm at Rated Voltage
6	Coil Resistance	Ω	16±2.4	
7	Operating Temperature	°C	-20 ~ +60	
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	

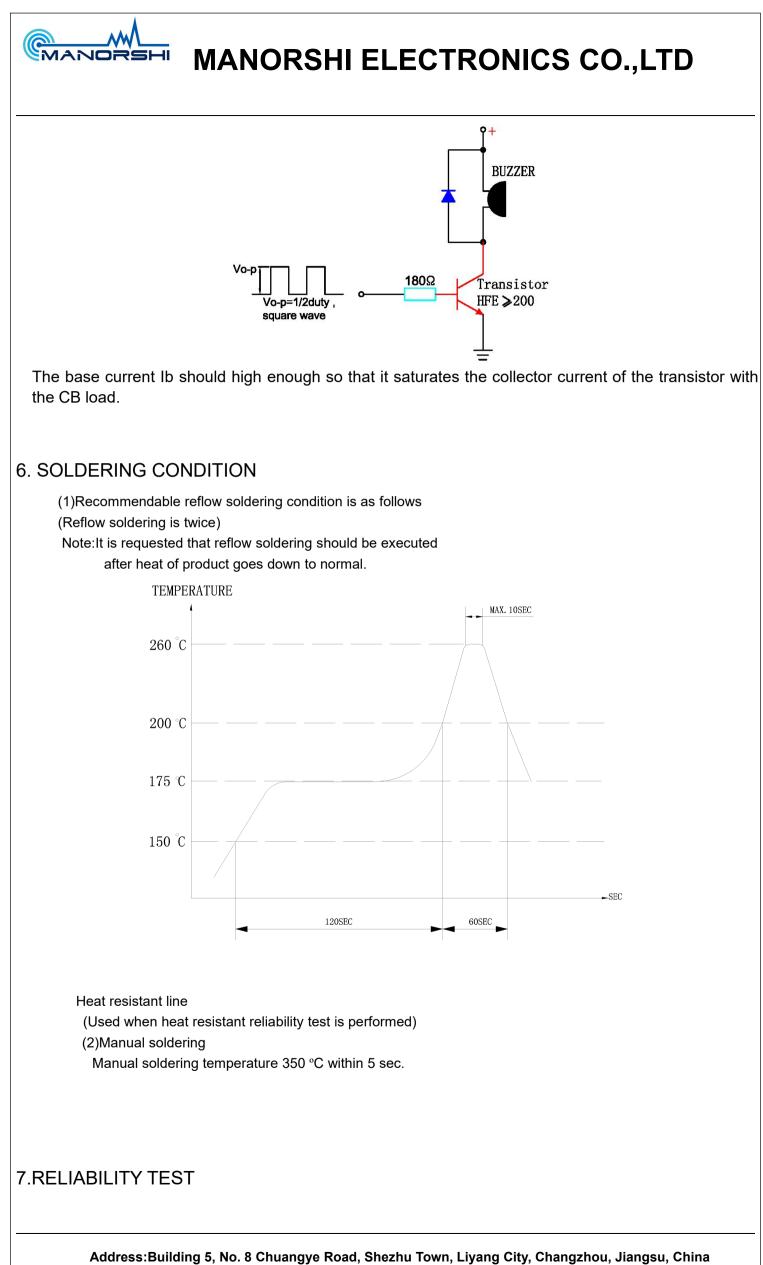
2.APPEARANCE DRAWING



3.TESTING METHOD



5.RECOMMEND DRIVING CIRCUIT



Tel:86-519-89185720 E-mail:sales@manorshi.com Http://www.manorshi.com



MANORSHI ELECTRONICS CO., LTD

NO.	ITEM	TEST CONDITION AND REQUIREMENT		
1	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	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	of: $+60^{\circ}C$ $+25^{\circ}C$ $+25^{\circ}C$ $-$ $-$ $-$ $-$ $-$ $-$ $-$ $-$ $-$ $-$		
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.		



MANORSHI ELECTRONICS CO., LTD

TEST CONDITION.

Standard Test Condition:a) Temperature : +5 ~ +35 °Cb) Humidity : 45-85%c) Pressure : 860-1060mbarJudgment Test Condition:a) Temperature : +25 ± 2 °Cb) Humidity : 60-70%c)Pressure860-1060mbar

8.PACKING STANDARD

