



# 产品规格书

## PRODUCT SPECIFICATION

客户名称 CUSTOMER: \_\_\_\_\_

产品型号 MODEL: MLT-1625

客户型号 USER'S MODEL: \_\_\_\_\_

日期 DATE: 2020-3-30

江苏华能电子有限公司			客户回签		
HUAWHA			CUSTOMER		
SERVE RATITY			CUSTOMER RATIGY		
拟制	审核	批准	检验	审核	批准
REPORT	CHECKED	APPROVED	TEST	CHECKED	APPROVED
唐华萍	工稿萍用章	张长华			

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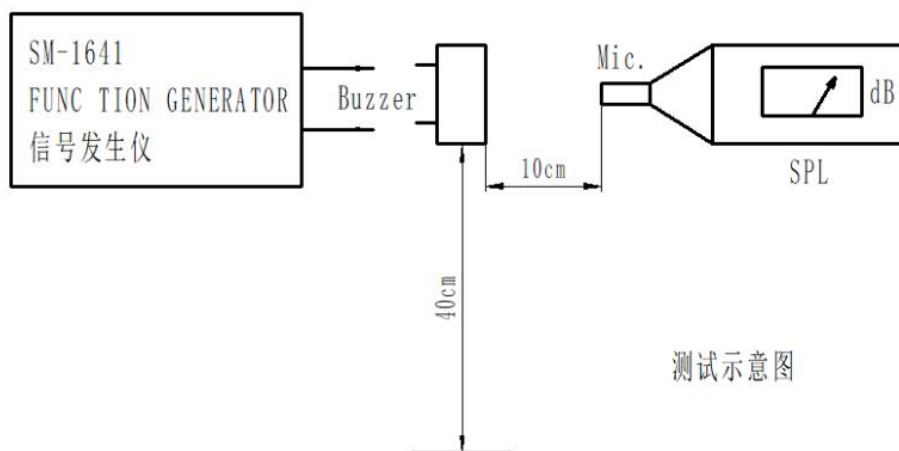
**1.基本规格/General specification**

项目/Item		规格/Spec	条件/Condition
1	工作电压 Operation voltage	1~20Vp-p	
2	声压 Sound Pressure Level=SPL	Min 75dB	测试环境：标准状态，标准驱动电路， 额定电压 测试距离：0.1m Standard State,Standard Drive Circuit. Rated voltage,Distance at 0.1m
3	电流 current	Max2mA	
4	振荡频率 Oscillation frequency	4000Hz	
5	电容量 Capacitance	16000±30% pF	
6	工作温度范围 Operating Temperature	-20~+70℃	
7	保存温度范围 Storage temperature	-30~+80℃	
8	外部尺寸 Externals size (mm)	16*16*2.5	参阅附图 Refer to the attached drawing
9	重量 Mass	1g	
10	材质 Housing Material	LCP	

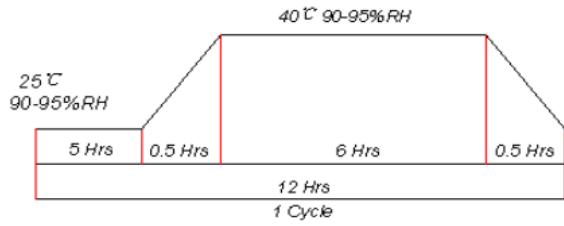
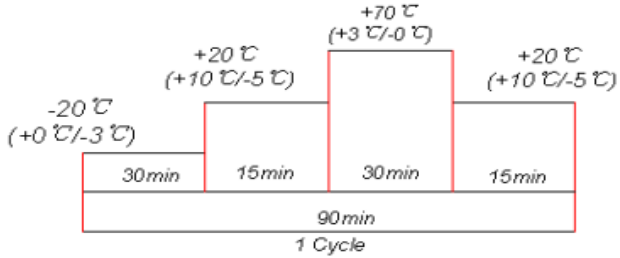
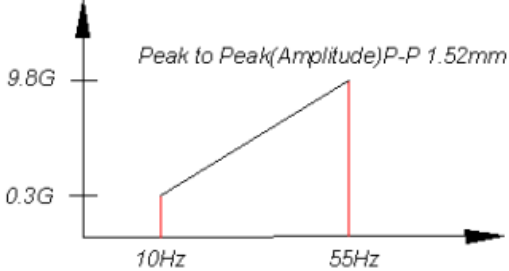
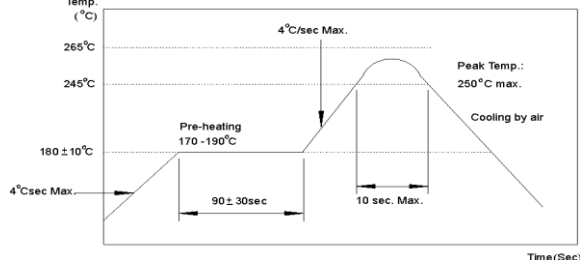
**2.电气和声学测试条件/Electrical And Acoustical Measuring Condition****驱动电路/Recommended Driving Circuit**

Resonant frequency, 1/2 duty cycle. Square wave.

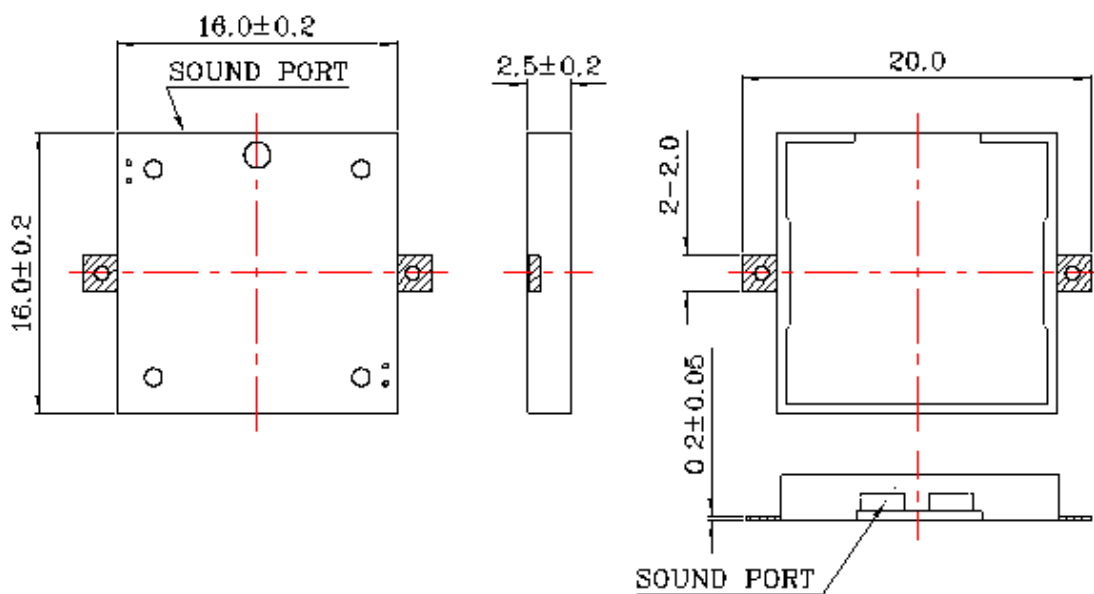
Signal amplitude should be large enough to saturate the transistor.



**3.可靠性测试/Reliability Test**

	项目 ITEM	测试方法 TEST
1	高温试验 High Temperature Test	在+80℃±2℃储存温度下存放 96 小时，恢复 2 小时后测试 After being placed in a chamber with +80±2℃ for 96 hours and then being placed in normal condition for 2 hours
2	低温试验 Low Temperature Test	在-20℃±2℃储存温度下存放 96 小时，恢复 2 小时后测试 After being placed in a chamber with -20±2℃ for 96 hours and then being placed in normal condition for 2 hours
3	恒定湿热试验 Humidity Test	 <p>The diagram shows a humidity test cycle. It starts at 25°C with 90-95% RH for 5 hours. Then, it ramps up to 40°C with 90-95% RH over 0.5 hours. It remains at 40°C with 90-95% RH for 6 hours. Finally, it ramps down to 25°C with 90-95% RH over 0.5 hours. The total duration of one cycle is 12 hours.</p>
4	温度变化试验 Temperature Cycle Test	 <p>The diagram shows a temperature cycle test. It starts at -20°C with a range of +0°C/-3°C for 30 minutes. Then, it ramps up to +20°C with a range of +10°C/-5°C for 15 minutes. It then ramps up to +70°C with a range of +3°C/-0°C for 30 minutes. Finally, it ramps down to +20°C with a range of +10°C/-5°C for 15 minutes. The total duration of one cycle is 90 minutes.</p>
5	振动试验 Vibration Test	 <p>The diagram shows a vibration test profile. The acceleration starts at 0.3G at 10Hz and ramps up to 9.8G at 55Hz. The peak-to-peak amplitude is 1.52mm. The test is conducted at 10Hz and 55Hz.</p>
6	跌落试验 Drop Test	70cm 高自由掉落到 40mm 的木板上，每个方向三次 Drop on a hard wood board of 40mm thick, any directions, three times, at the height of 70cm
7	插针的抗拉强度试验 Terminal Strength Pulling Test	插针承受 1.0kg 拉力，负荷时间 5s The force 5 seconds of 1.0kg is applied to each terminal.
8	可焊性试验 Solder ability Test	焊锡温度 255±5℃，浸润时间为 3±0.5s，试验后目测产品情况 Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of 255±5℃ for 3±0.5 seconds.
9	回流焊测试 Soldering Test	 <p>The diagram shows a soldering test profile. The temperature starts at 180±10°C. It ramps up to 170-190°C for pre-heating, with a maximum rate of 4°C/sec. The pre-heating time is 90±30 seconds. Then, it ramps up to a peak temperature of 250°C max. with a maximum rate of 4°C/sec. The peak temperature is maintained for 10 seconds max. Finally, it cools by air.</p>

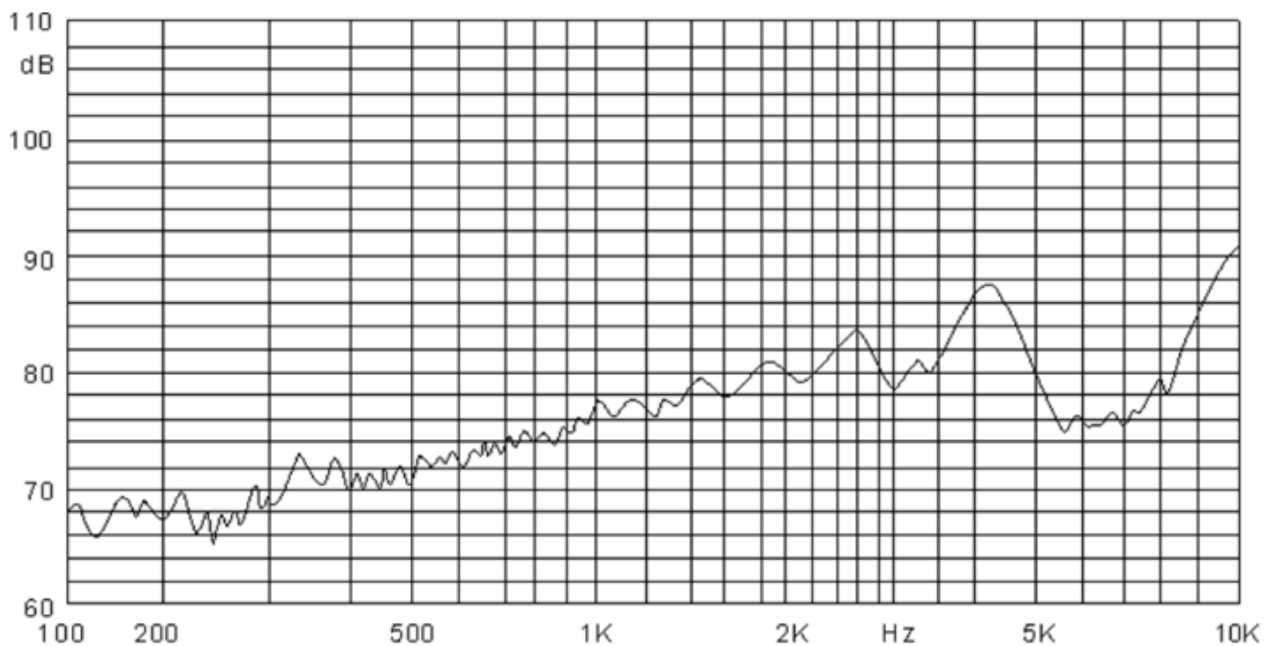
#### 4.尺寸图 Dimension



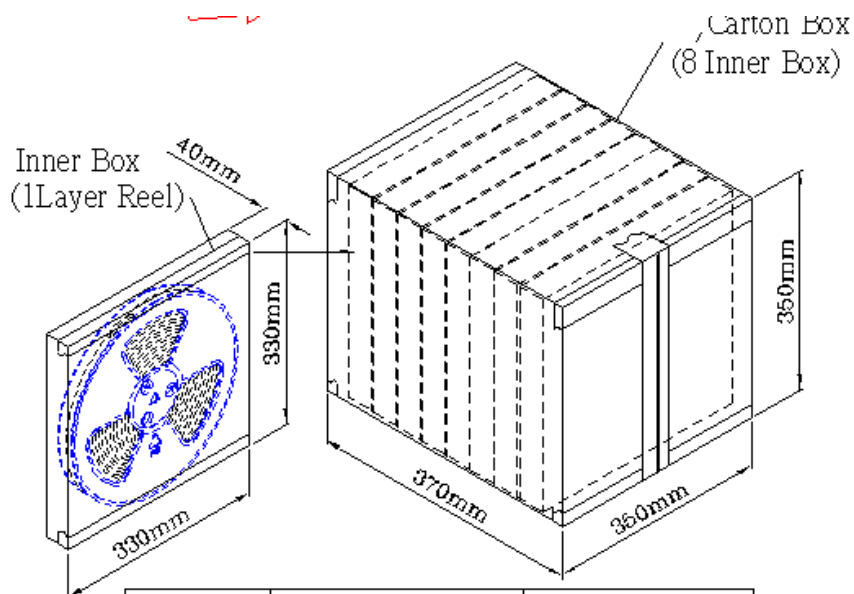
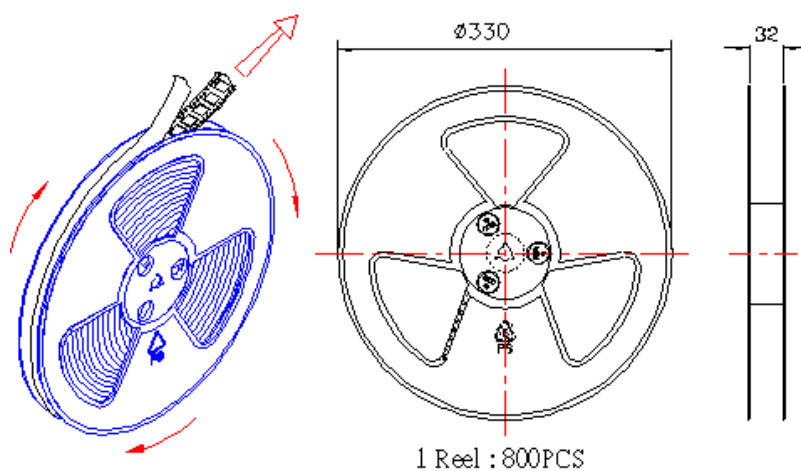
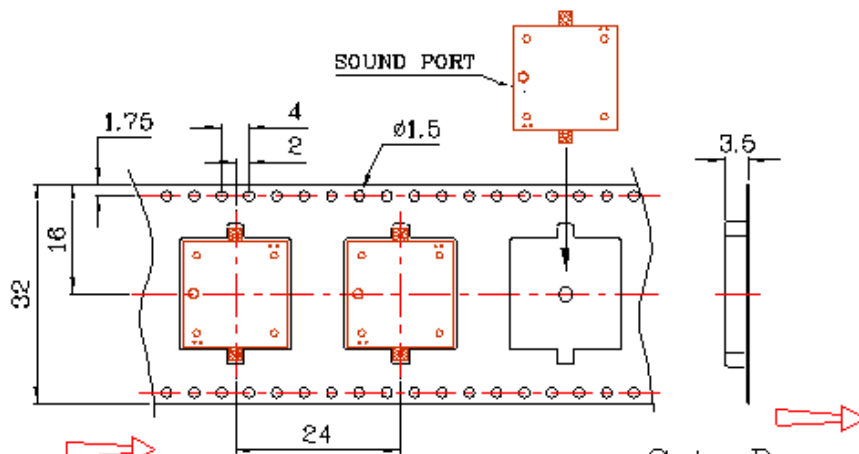
\*Unit: mm; Tolerance:  $\pm 0.3$ mm Except Specified

\*Housing Material: Black LCP

#### 5.频率响应/Frequency Response



6.包装方式/Packing



Inner Box	330mmx330mmx40mm	1x800PCS=800PCS
Carton Box	350mmx350mmx370mm	8x800PCS=6400PCS