



ROHS

SPECIFICATION OF PRODUCT 承认书

CUSTOMER: _____

DESCRIPTION: _____ Piezo Buzzer

FUSHENG P/N: _____ FSR-2212TP

CUSTOMER P/N: _____

DATE: _____ 2022-9-15

CUSTOMER	APPROVER	CHECKER
	Cui	

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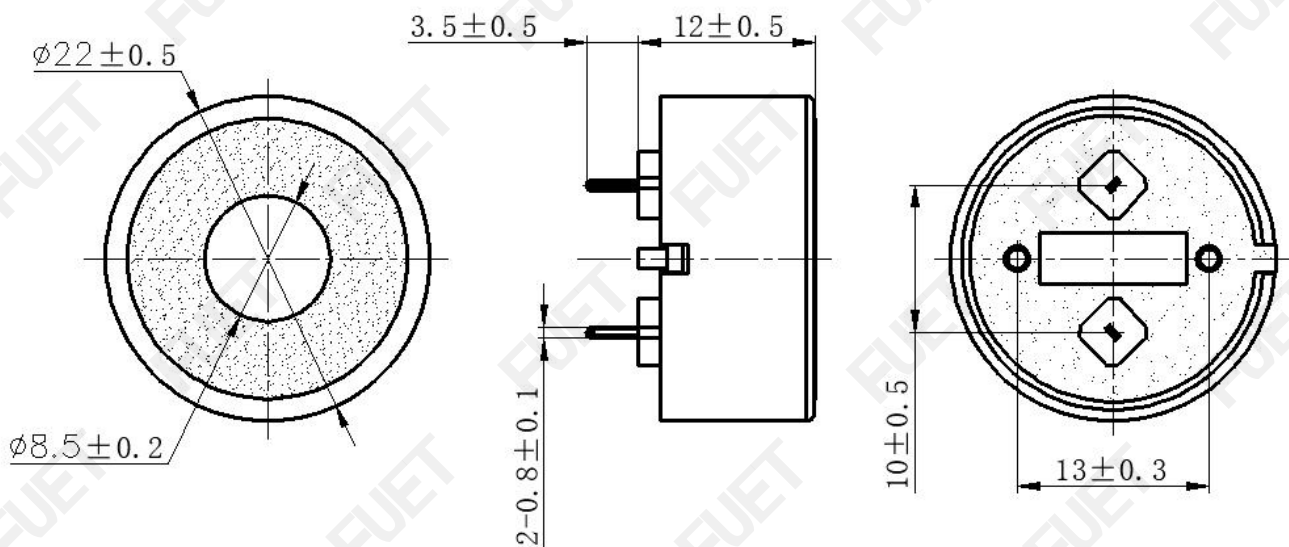
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1.SPECIFICATION 规格

No.	Item	Unit	Specification	Condition
1	Oscillation Frequency	Hz	4000 ± 500	square wave
2	Operating Voltage	Vp-p	1 ~ 20	
3	Rated Voltage	Vp-p	1.5	
4	Current Consumption	mA	MAX. 5	at Rated Voltage
5	Sound Pressure Level	dB	MIN. 85	at 10cm at Rated Voltage
6	Electrostatic Capacity	nF	$25 \pm 30\%$	at 1000Hz
7	Operating Temperature	°C	-20 ~ +70	
8	Storage Temperature	°C	-30 ~ +80	
9	Dimension	mm	22 x H 12	See appearance drawing
10	Weight (MAX)	gram	3	
11	Housing Material		PBT	

2. APPEARANCE DRAWING 尺寸图



3.TESTING METHOD 测量方式

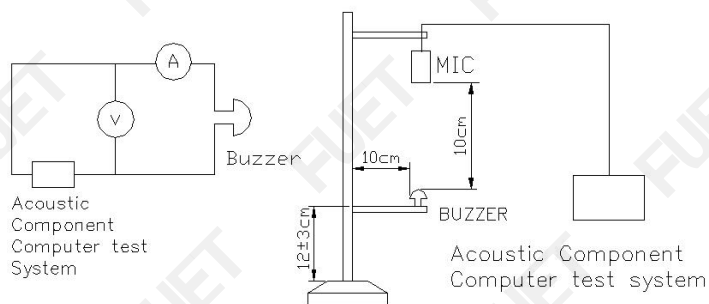
Standard Measurement conditions

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

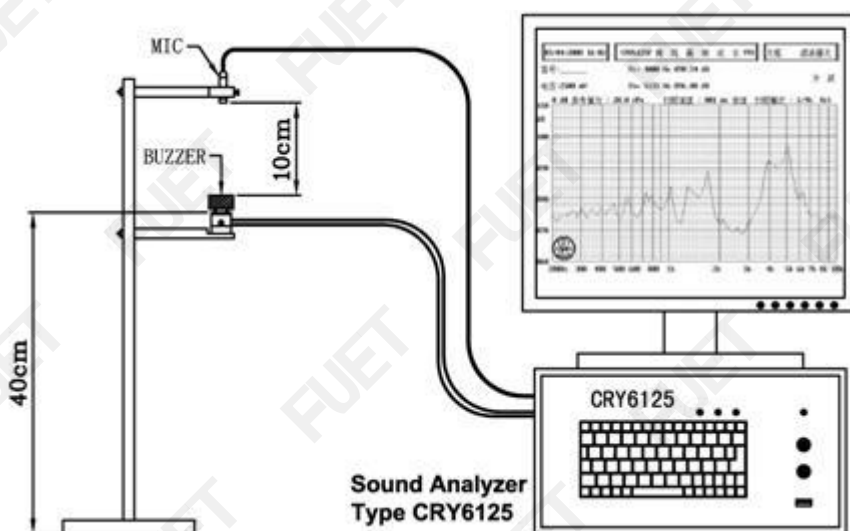
Acoustic Characteristics:

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

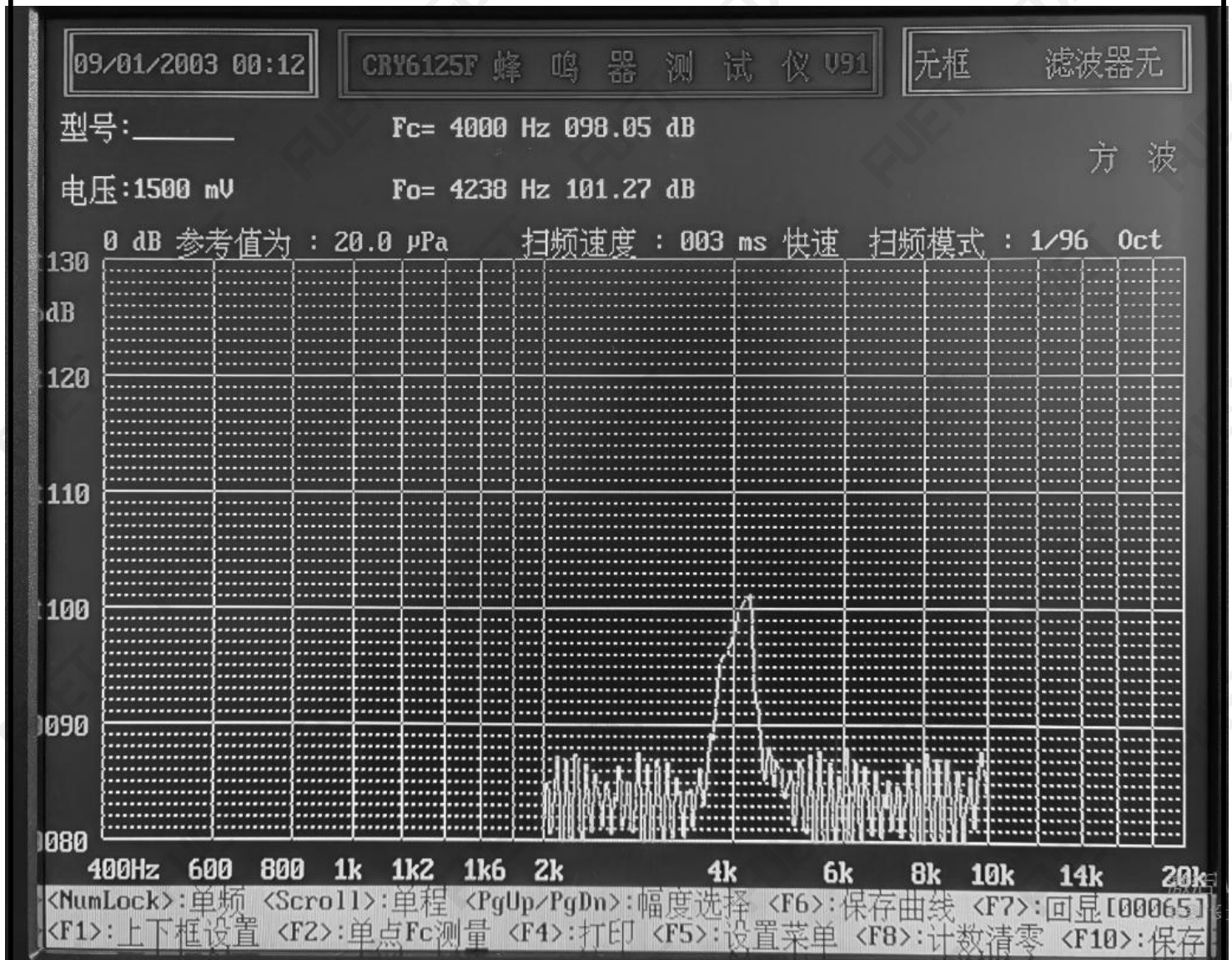
shown below.



In the measuring test, buzzer is placed as follows:



4. Typical Frequency Response Curve



5.检验标准:

No.	项目/Item	技术要求 Specification	检查方式 Inspection By Means Of	备注/Remark
2.2.1	直 径 diameter	$22.0 \pm 0.5/\text{mm}$	游标卡尺 Vernier Caliper	测量最大外径 To be measured at the maximum DIA
2.2.2	总 高 度 height	$12.0 \pm 0.5/\text{mm}$	游标卡尺 Vernier Caliper	
2.2.3	针 径 Pin Width	$0.8 \pm 0.1/\text{mm}$	千分尺 Micrometer	
2.2.4	针长 Needle diameter	$3.5 \pm 0.5/\text{mm}$	游标卡尺 Vernier Caliper	
2.2.5	针距 Pin Pitch	$10.0 \pm 0.5\text{mm}$	游标卡尺 Vernier Caliper	在针底端测 To be measured at the bottom of pins
2.2.6	插针强度 Strength of Pins	5.0N/5.0Sec	拉力器 Tension Gauge	产品垂直拉, 每一个针脚 The product is pulled vertically, with each pin
2.2.7	可焊性 Solderability of pins	焊锡温度 Soldering tin temp. : $260 \pm 5^\circ\text{C}$ 浸锡时间Dwell time: $3.0 \pm 0.5\text{s}$	目测 Eye	插针表面完全被焊锡浸 润 The surface of the pins is soaked with soldering tin equably
2.2.8	锈迹 Rust		目测 Eye	不可有锈迹 No rust
2.2.9	污迹 Stain		目测 Eye	不可有斑点 No spots
2.2.10	声压 sound pressure		声级计 Sound level meter	测试产品声压 Test product sound pressure
2.2.11	电容量 Capacitance		数字电桥 Digital Bridge	测试产品电容量 Test product capacitance