



常州紫浩电子有限公司

Changzhou Cre-sound Electronics Co., Ltd

公司介绍

COMPANY INTRODUCTION

<https://www.cre-soundbuzzer.com>



CRE-SOUND

PART 01

公司简介

COMPANY PROFILE



公司名称：常州紫浩电子有限公司

Company Name Changzhou Cre-sound electronics co.,ltd

工厂位置：江苏省常州市武进区湖塘镇昌盛路58号

Address 58 Changsheng road,Hutang Town,Changzhou,Jiangsu

成立时间：1996年10月1日

Foundation Date

工厂面积：10000平方米

Plant Area

在职员工：215人

Number of
Employees

产品范围：蜂鸣器Buzzer/扬声器Speaker/压电蜂鸣片Piezo Disc

Product Range

新的机遇与挑战
New Opportunity
New Challenge

2025

2021

扩建新厂房

Build New Workshop

销售突破一亿元人民币
扩建厂房5000平方米
Turnover 18M USD
Build new 5000
square meter workshop

2018

销售突破9000万
Turnover 13M USD

成为YAZAKI供应商
Pass Yazaki Audit

2016

成为LG供应商
Pass LG Audit

成为LG, Nest等客户的
供应商
Provide the buzzer
and speaker to LG
and so on.

2011

成为西门子供应商
Pass Siemens Audit

工厂扩建至6000平方米
通过三星, 美诺, 马瑞利审核并开始
批量供货
Extend the factory to 6000
Square meter.
Provide the products to Miele,
Samsung, Magneti Marelli

2008

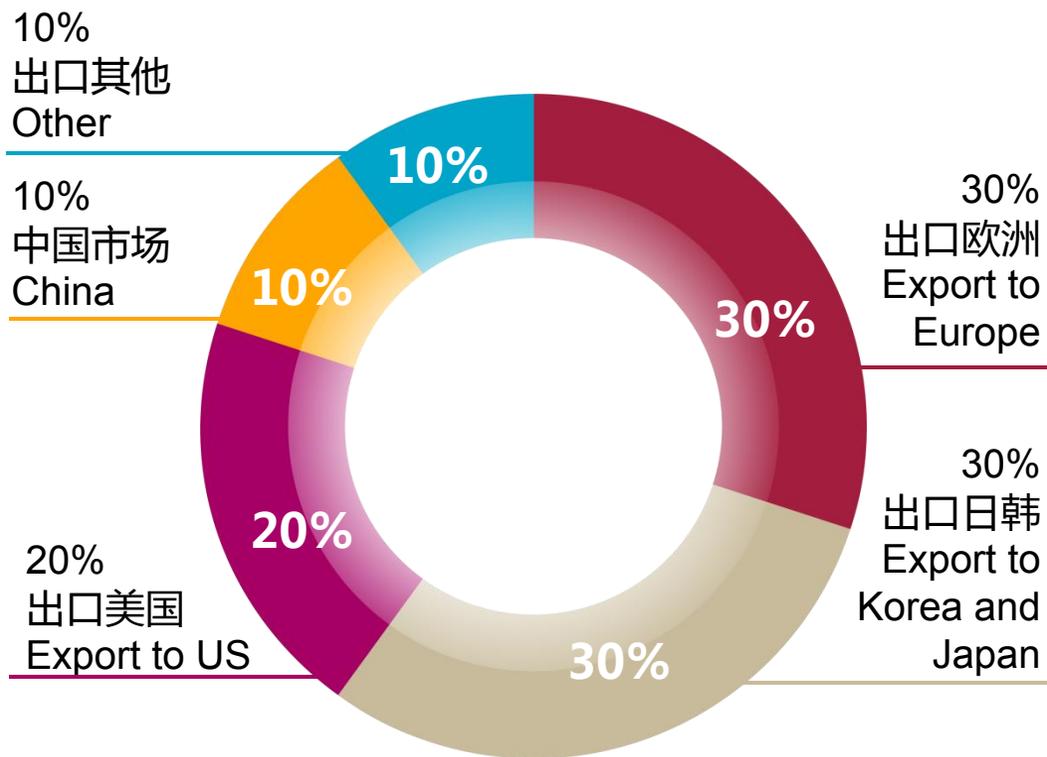
紫浩电子成立
Cre-sound Establish

通过TS16949审核, 生产车用蜂鸣
器及扬声器, 通过博世审核
Pass ISO/TS16949 Certification,
manufacture the buzzer and
speaker, pass Bosch audit

1996

联华电子成立
Lianhua
Establish

市场销售比例



全球主要客户



((CRE-SOUND▶

PART 02

产品介绍

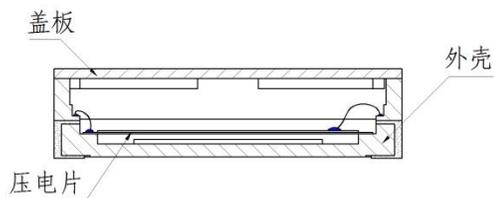
PRODUCT INTRODUCTION

表面贴装式压电&电磁式蜂鸣器

SMD Piezo and Magnetic Buzzer



SMD压电蜂鸣器



特点：

1. 相同尺寸下，电流消耗较小。
2. 音色清晰，可靠性高。
3. 最大声压可以超过3米85dB。
3. 防水 (IPX7)

Feature：

1. Low current consumption
2. Clear sound and high reliability.
3. Highest SPL can over 85dB at 3m.
4. Waterproof IPX7

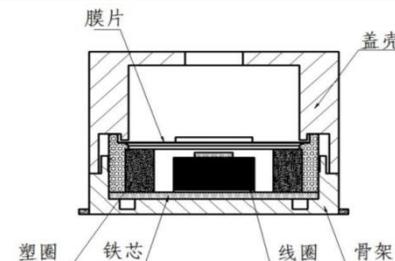
应用：

血糖仪，烟雾报警器，家用电器，汽车BCM提示音，触控屏等

Application：

Glucose meter, Smoke Alarm, Household Appliances, Automotive BCM Tone, Touch Screen

SMD电磁蜂鸣器



特点：

1. 相同尺寸下，可以做较低的响应频率，最低可以做到730Hz。
2. 相同尺寸下，驱动电压较小，最小可以做到1.5V。
3. 尺寸最小可以做到4mm*4mm*2mm

Feature：

1. Lowest resonant frequency can be 730Hz
2. Low operation voltage can be 1.5V
3. Smallest size can be 4mm*4mm*2mm

应用：

MIFI移动设备，运动相机，遥控器，电子烟，汽车尾门提示音等

Application：

MIFI device, Camera, Reomte, Automotive warning tone

结构

压电蜂鸣器(插针式&引线式)

Piezo Buzzer(Pin Type&Wire Type)



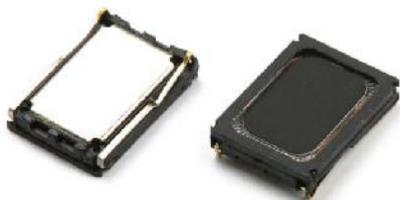
电磁式蜂鸣器(插针式&引线式)

Magnetic Buzzer(Pin Type&Wire Type)



微型扬声器 Micro Speaker

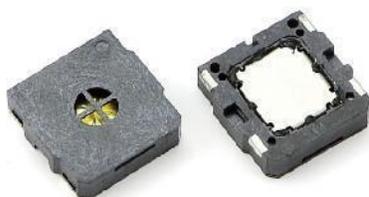
LSC1511 Series



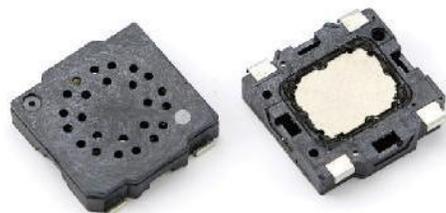
LSC1609 Series



SMD Speaker Series

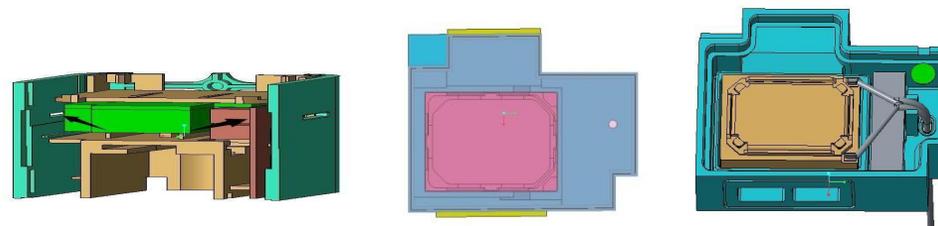


LSI151540BT



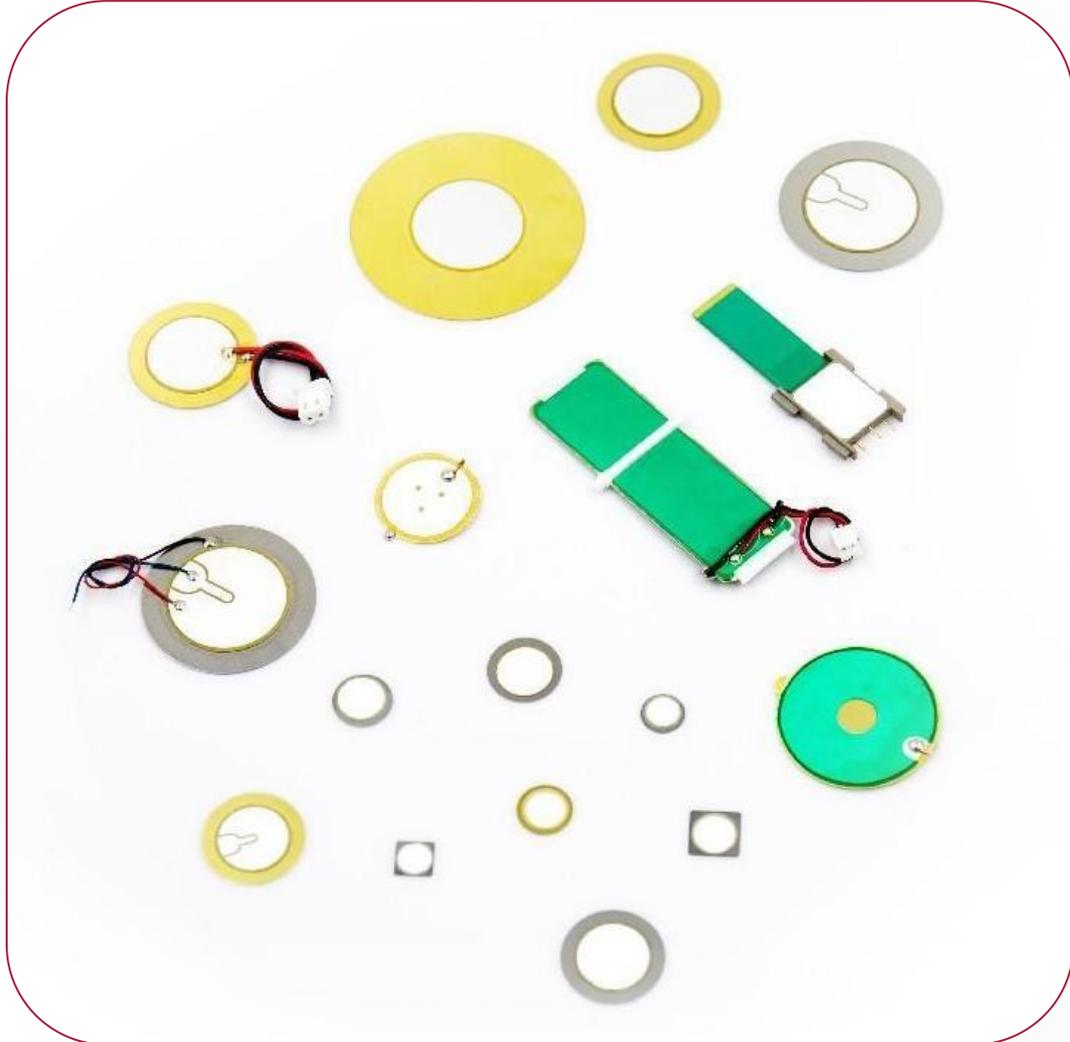
LSI202045AT

Customized Box



根据客户内部结构设计匹配客户腔体的Box，并选择合适的单体扬声器。工程师会根据设计结构进行声学仿真，保证最终产品性能符合要求。

According to the internal structure of customer products, designed the box to match the cavity, and selected the appropriate single speaker. Engineers will do the acoustic simulation based on the design structure to ensure that the final product performance meets the requirements.



压电陶瓷蜂鸣片 Piezo Ceramic Diaphragm

介绍：

压电陶瓷蜂鸣片是将压电陶瓷元件附着在镍或铜等金属板上的声音器件。我司的压电陶瓷蜂鸣片是专为提示音等发声功能而设计的产品。

特点：

配合客户腔体设计，节省空间。

应用：

追踪器，烟雾报警器，汽车提示音。

Piezo Ceramic Diaphragm Introduction:

Piezo Ceramic Diaphragm is sound component which combine the piezo plate with different metal plate. Our company' s piezo ceramic diaphragm is special designed for the product which need the sound warning tone.

Feature:

Specail design based on customer housing, save space.

Application:

Tracking device, Somke Alarm, Automotive warning tone

02 产品介绍 | Product Introduction

车用蜂鸣器&蜂鸣片&扬声器 Automotive Buzzer&Piezo disc & Speaker



LETC1310CS
LETC1310KS
汽车仪表盘提示音
Dash Board



LETC1310KS
汽车尾门提示音
Back Door



LET9045GS
胎压报警
Tire Pressure



XDC3013C



LPTC3590BW



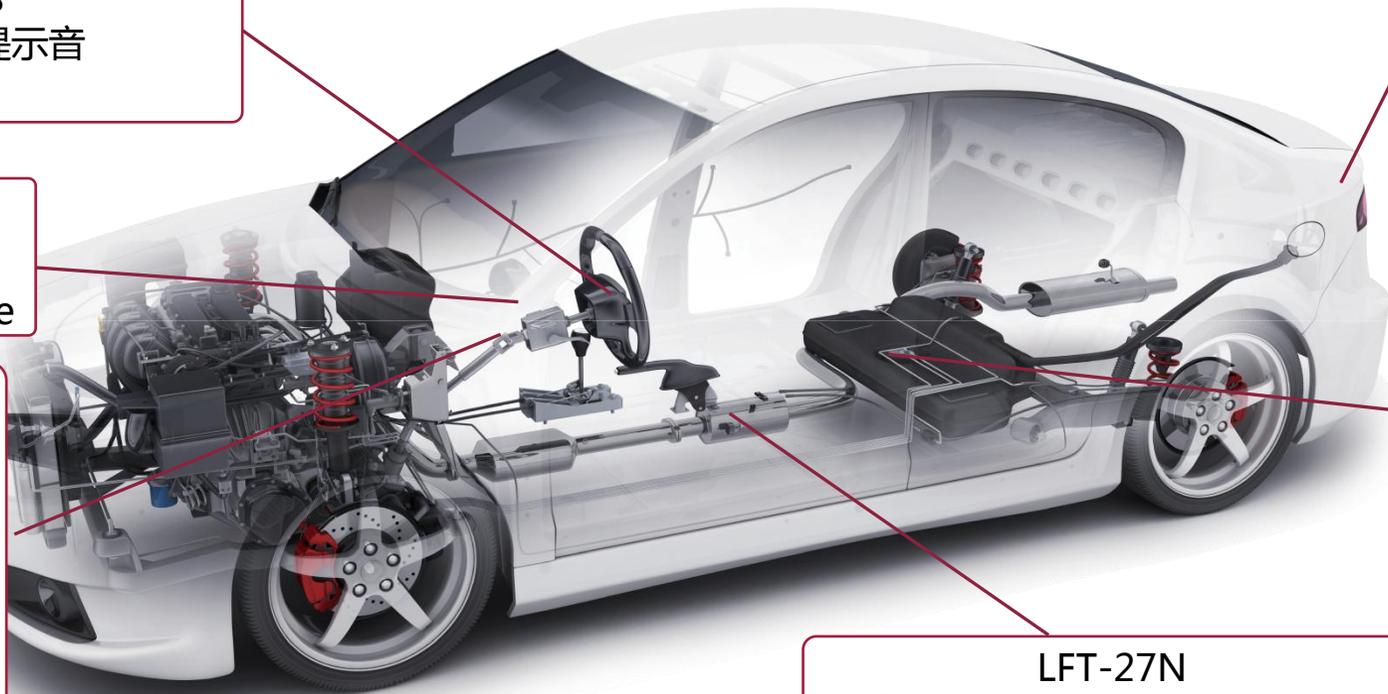
LET1715S
倒车提示音
Parking Alarm



LSI151540BT
汽车后座显示屏
提示音
The prompt
sound of the
rear seat
display screen
of the car



LFT-27N
LFT-15T
电滑门提示音
压力传感器
Door
Pressure sensor



02 Product Introduction

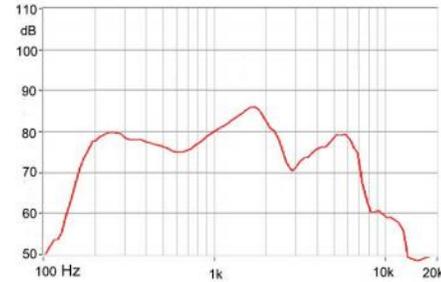
Product Code:

LSC5627AW-04-0.2

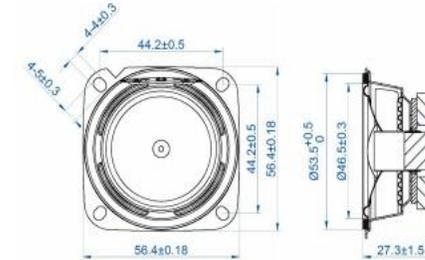
RoHS Compliant



Frequency Response:



Dimensions (Unit: mm)

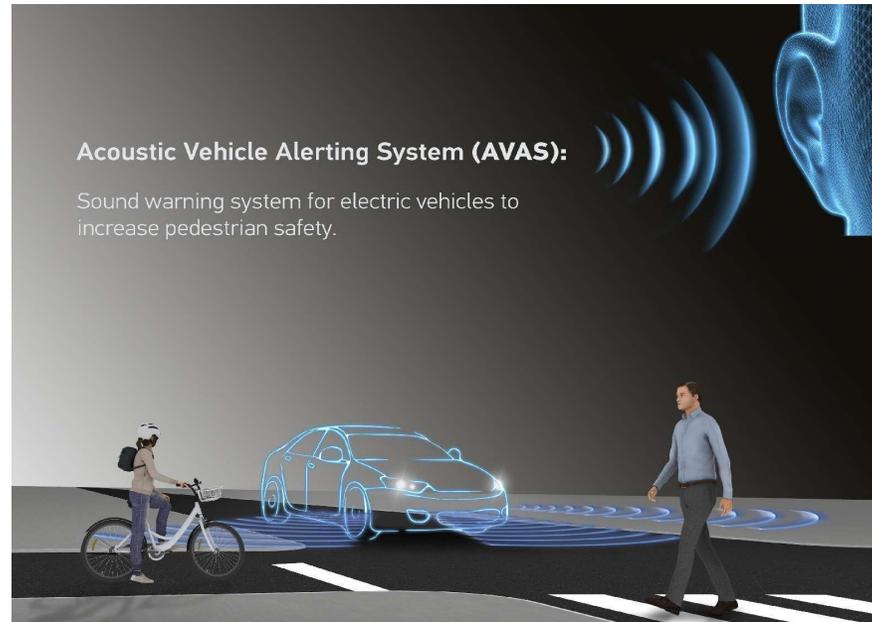


Tolerance:
±0.5mm
Except Specified

Specification:

Rated Power	(W)	5
Max Input Power	(W)	20
Rated Impedance	(Ω)	4±20%
Resonance Frequency	(Hz)	200±20%
SPL at 1m 1W	(dB)	78±3 at 0.6k, 0.8k, 1k&1.2kHz
Rated Freq. Range	(Hz)	f0~6000
Buzzes & Rattles		Should not be audible at 3.2V sine wave between 200~200kHz
Operating Temperature	(°C)	-40~+85
Storage Temperature	(°C)	-40~+105
Weight	(g)	82.8
RoHS		Yes

Test basic state: Temp(20±2°C), Humidity(40~70%RH), Air pressure(860~1060hPa).



Acoustic Vehicle Alerting System (AVAS):

Sound warning system for electric vehicles to increase pedestrian safety.

低速提示音 AVAS

在具有纯电动行驶模式的电动汽车上，需配备能够在低速行驶时发出警示提示音的装置，以减小和行人发生交通事故的概率。

On electric vehicles with pure electric driving mode, devices that can emit warning sounds when driving at low speeds should be equipped to reduce the probability of traffic accidents with pedestrians.

02 产品介绍 | Product Introduction

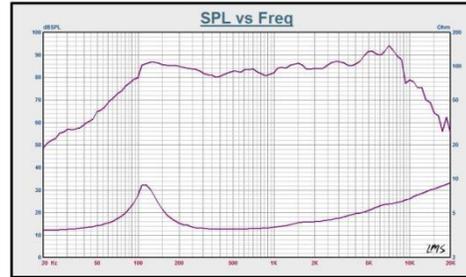
Product Code:

LSC9350CW-04-0.11

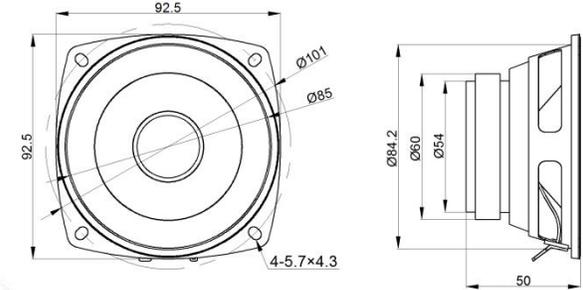
RoHS Compliant



Frequency Response:



Dimensions (Unit: mm)



Specification:

Rated Power	(W)	20
Max Input Power	(W)	30
Rated Impedance	(Ω)	3.4±20%
Resonance Frequency	(Hz)	110±20%
SPL at 1m 1W	(dB)	85±3dB between 110&8000Hz AVG
Rated Freq. Range	(Hz)	(-6dB) 110 ~ 8000Hz
Buzzes & Rattles		Should not be audible at 6.0V sine wave between 110 ~ 8000Hz
Operating Temperature	(°C)	-40~+85
Storage Temperature	(°C)	-40~+85
Weight	(g)	350
RoHS		Yes

Test basic state: Temp(20±2°C) , Humidity(40- 70%RH) , Air pressure(860~1060hPa).

Acoustic Vehicle Alerting System (AVAS):

Sound warning system for electric vehicles to increase pedestrian safety.



低速提示音
AVAS

02 产品介绍 | Product Introduction



Product Code:

LSE3638AP-50-1.7-B1

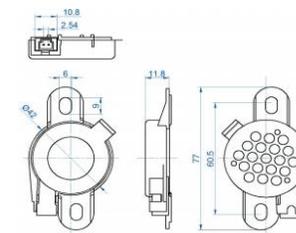
RoHS Compliant



Frequency Response:



Dimensions (Unit: mm)

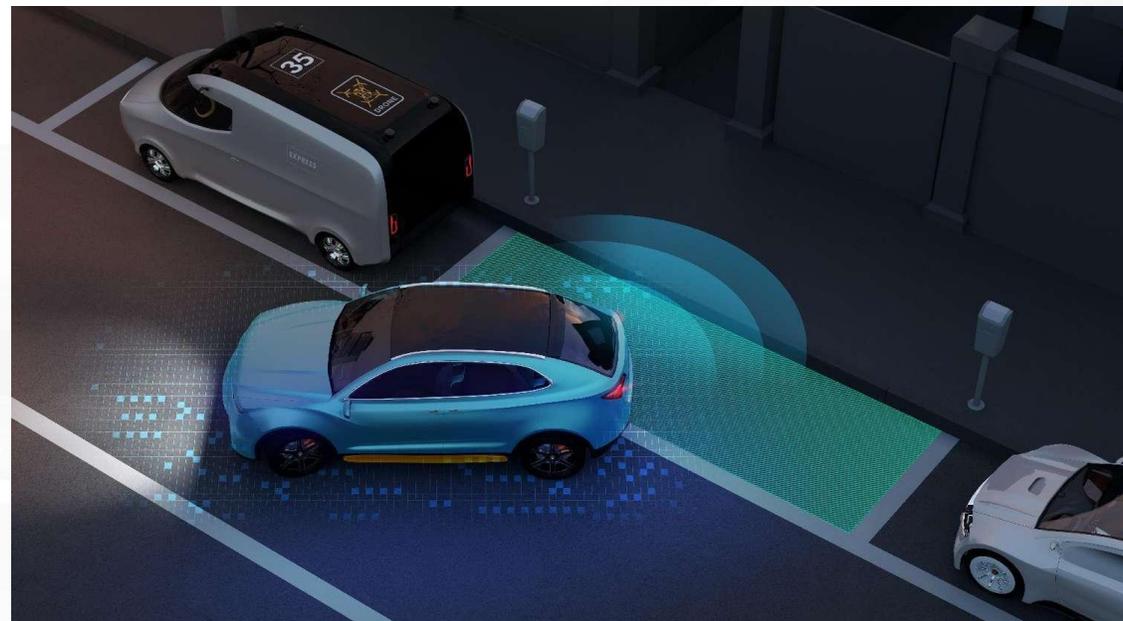


Tolerance: $\pm 0.5\text{mm}$ Except Specified

Specification:

Rated Power	(W)	0.5
Max Input Power	(W)	1.0
Rated Impedance	(Ω)	$50 \pm 20\%$
Resonance Frequency	(Hz)	$1700 \pm 20\%$
SPL at 0.5m 0.5W	(dB)	75 ± 3 at 1.0kHz
Rated Freq. Range	(Hz)	f ₀ ~7000
Buzzes & Rattles		Should not be audible at 5.0V sine wave between 500~2000Hz
Operating Temperature	($^{\circ}\text{C}$)	-20~+70
Storage Temperature	($^{\circ}\text{C}$)	-30~+80
Weight	(g)	14.4
RoHS		Yes

Test basic state: Temp($20 \pm 2^{\circ}\text{C}$) , Humidity(40- 70%RH) , Air pressure(860~1060hPa).



CRE-SOUND

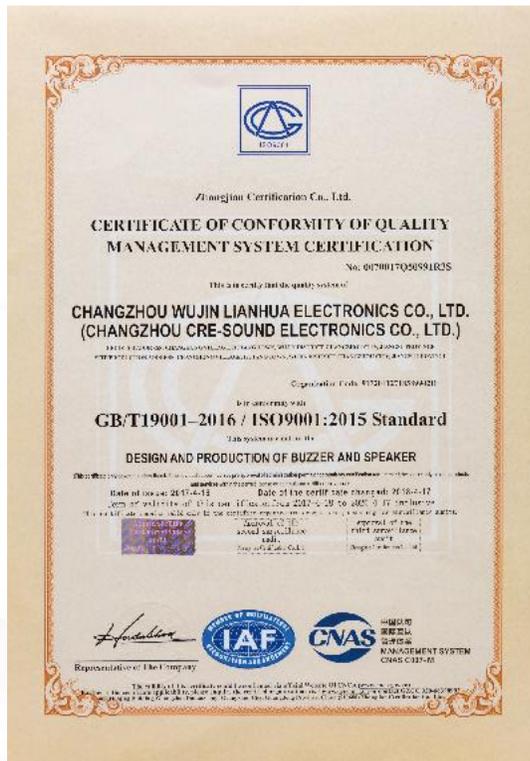
PART 03

品质管理

QUALITY CONTROL

质量管理体系证书

System and certification qualification



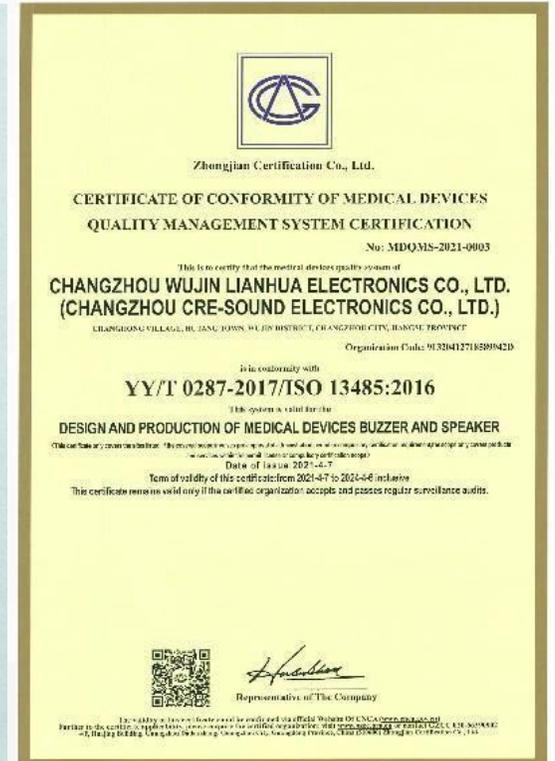
ISO 9001:2015



IATF 16949:2016

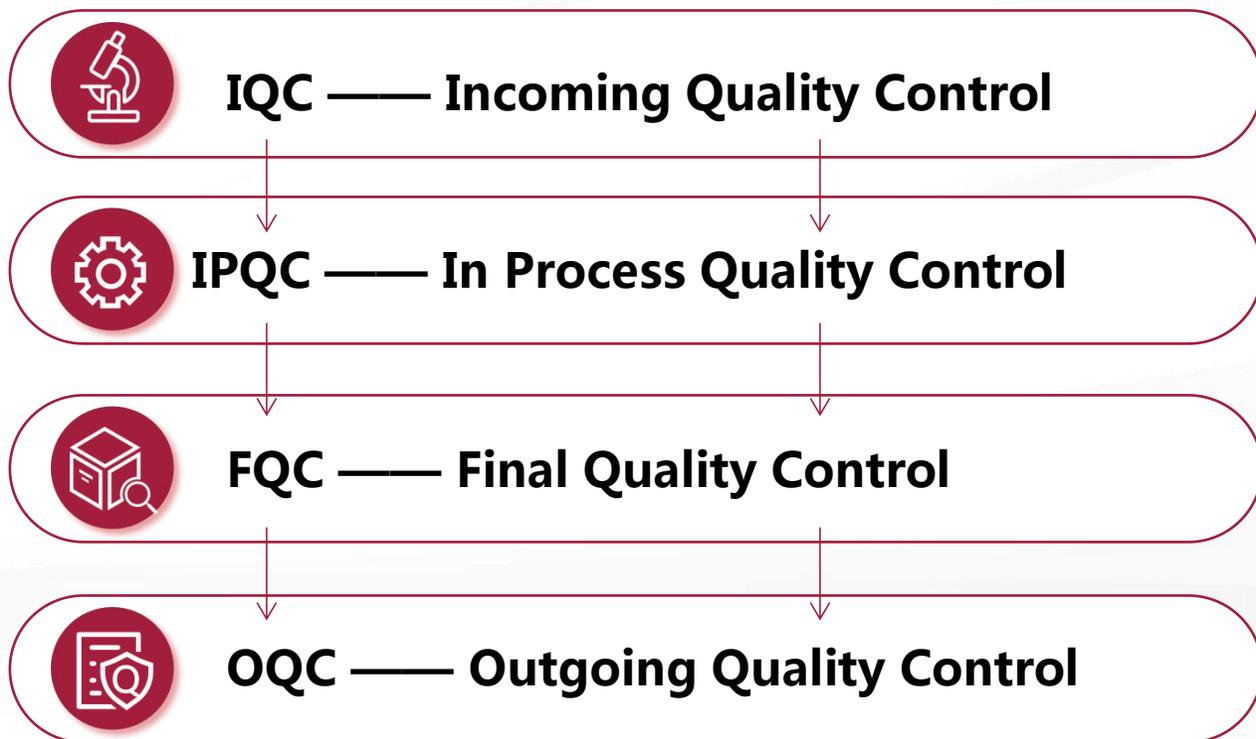


ISO 14001:2015



ISO 13485 : 2016

品质管理流程 Quality Control

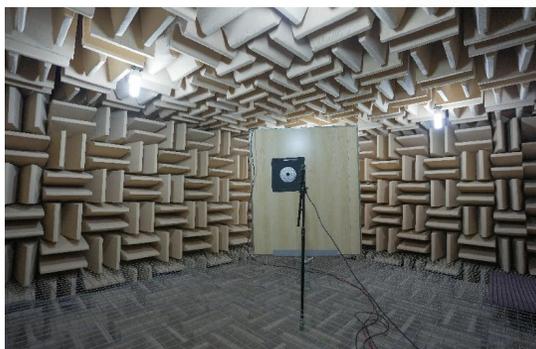


品质管理体系流程图

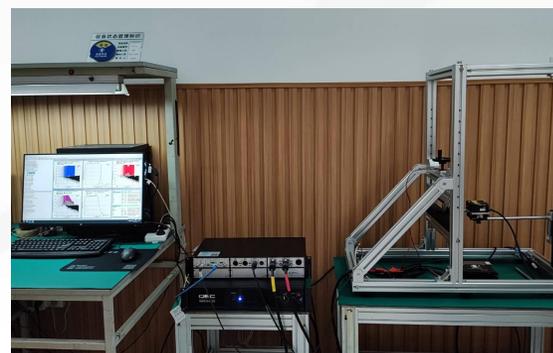


品质管理体系流程图.pdf

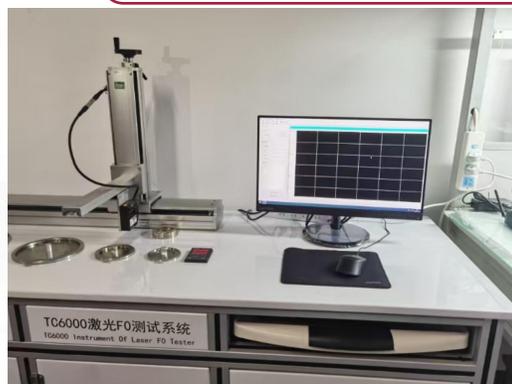
试验设备 Testing Equipment



消音室
Anechoic Room



Klippel testing system



振膜频率测试仪
Membrane Frequency tester



弹波测试仪
Spider tester



气密性测试仪
Air pressure tester

试验设备



湿热试验箱
Temperature & Humidity Testing Chamber



盐雾试验箱
Salt Mist Testing Chamber



高温试验箱
High Temp Testing Chamber



低温试验箱
Low Temp Testing Chamber



高低温冲击试验箱
Temperature shocking Testing Chamber



振动实验机
Vibration testing machine



X-RAY



回流焊测试炉
Reflow Soldering Oven

CRE-SOUND

PART 04

生产产线

PRODUCTION LINE

04 生产产线

CRE-SOUND



170多名一线操作员工
More than 200 operators

每月生产1000多万只蜂鸣器及扬声器
10 million pcs buzzer and speaker per month

10多条智能自动化生产线
More than 10 operation lines

全自动和半自动生产线
Automatic and semi-automatic production line

自动化机器

Automatic Production Machine



自动涂胶机器
Auto Glue Machine



自动焊锡机器
Auto Soldering Machine



自动绕线机器
Auto Winding Wire Machine



视觉点胶胶机器
Auto Visual Glue Machine



自动点焊机器
Auto Spot welding machine



视觉编带检查机器
Visual Checking Machine



自动化产线
Auto Production Line



视觉检测
Viusal Inspection machine



THE END THANK YOU!

Changzhou Cre-sound Electronics Co.,Ltd

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