

承认书

NO: HU071108Y

SPECIFICATION

客户/Customer	
客户型号/User's Model No.	
本司型号/Part. No.	HU-3015YX 【压电】
数量/Quantity	

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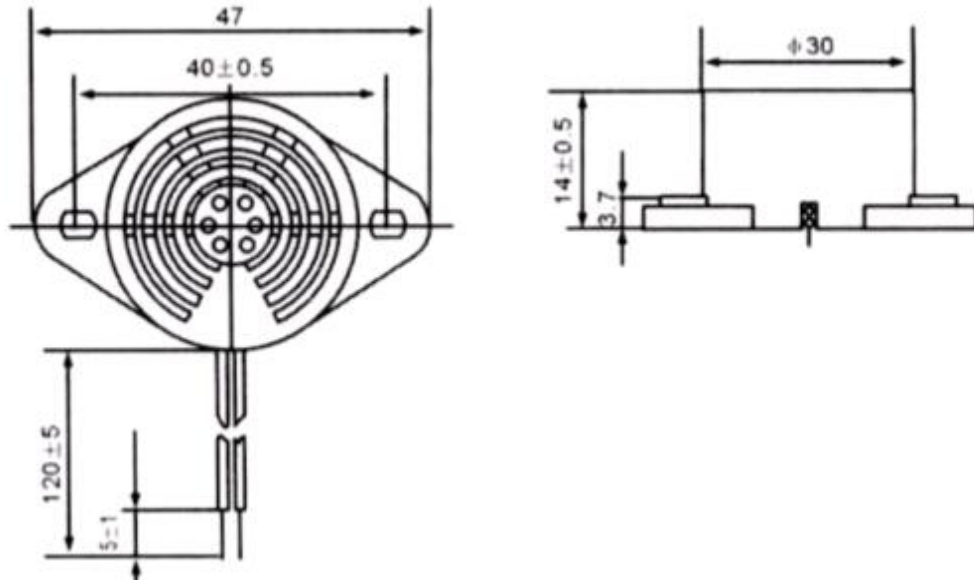
制作 Drafted By	审核 Checked By	批准 Approved By

HU-3015YX 【压电】

1 . Electrical Characteristics

型号 <i>Type</i>	<i>HU-3015YX 【压电】</i>	
额定电压 <i>Rated Voltage</i>	<i>DC(V)</i>	12
工作电压 <i>Operating Voltage</i>	<i>DC(V)</i>	8 - 15
最大电流 <i>Rated Current</i>	<i>(mA)</i>	Max15
输出音压 <i>Sound Pressure Level</i>	<i>(dB)</i>	Min90/10cm
谐振频率 <i>Resonant Frequency</i>	<i>(Hz)</i>	3300±500
工作温度 <i>Operating Temperature</i>	<i>(°C)</i>	-20°C ~ +70°C
材质 <i>Material</i>	ABS 13g	

2. Dimension:Unit (mm)



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样品抽验报告 *Sample Test Report*

HU-3015YX

<i>NO.</i>	<i>S.P.L</i> <i>[dB]</i>	<i>Rated</i> <i>Current</i> <i>[mA]</i>	<i>A&D</i>	<i>NO.</i>	<i>S.P.L</i> <i>[dB]</i>	<i>Rated</i> <i>Current</i> <i>[mA]</i>	<i>A&D</i>
1.	90		OK				
2.	91		OK				
3.	90		OK				
4.	92		OK				
5.	92		OK				
6.	92		OK				
7.	90		OK				
8.	92		OK				
9.	93		OK				
10.	91		OK				

测试结果 *Test Result*: 合格 *Pass*[] 不合格 *Fail*[]
 测试人员 *Inspector*: 确认 *Confirmed*: 测试日期 *Test Date*: 2017/1/24

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试验项目 ITEM	测试方法 METHOD OF TEST	标准 STANDARD
高温试验 Dry Heat Test	+70°C ± 2°C, 96h, 恢复 2 小时后测量 <i>After being placed in a chamber with +70±2□ for 96 hours and then being placed in natural condition for 2 hours, sounder shall be measured.</i>	试验后所有指标都满足 <i>All specification must be satisfied after the test.</i>
低温试验 Cold Test	-20°C ± 2°C, 96h, 恢复 2 小时后测量 <i>After being placed in a chamber with -20±2□ for 96 hours and then being placed in natural condition for 2 hours, sounder shall be measured.</i>	试验后所有指标都满足 <i>All specification must be satisfied after the test.</i>
恒定湿热试验 Humidity Test	将产品置于+40°C±2°C, 相对湿度保持在 90%-95%中的环境中放置 96h, 恢复 2 小时后测量. (见图 FIG.1) <i>After being placed in a chamber with, 90%-95%R.H. at +40□±2□ for 96 hours and then being placed in natural condition for 2 hours, sounder shall be measured. (Attached FIG.1)</i>	试验后所有指标都满足 <i>All specification must be satisfied after the test.</i>
温度变化试验 Temperature Cycle Test	产品在 -20°C 的试验箱和温度为 +70°C 的试验箱各放置 30 分钟, 为一次温度循环。产品承受 5 次温度循环后, 放置 2h 后进行测量(见图 FIG.2) <i>After being placed in a chamber at -20□±2□ for 30 minutes, sounder shall be placed at room temperature(+20□). After 15 minutes at this temperature, sounder shall be placed in a chamber at +70□±2□. After 30 minutes at this temperature, sounder shall be returned to room temperature(+20□) for 15 minutes. After 5 above cycles, sounder shall be measured after being placed in natural condition for 2 hours. (Attached FIG.2)</i>	试验后所有指标都满足 <i>All specification must be satisfied after the test</i>

<p>振动试验 Vibration Test</p>	<p>频率 10-55-10(Hz), 单振幅: 1.5 (mm) 扫频时间 1min ,振动时间 30min(见图 FIG.3) <i>Sounder shall be measured after being applied vibration of amplitude of 1.5mm with 10-55Hz band of vibration frequency for 30 minutes. Sweep time is 1 minute. (Attached FIG.3)</i></p>	<p>试验后所有指标都满足. <i>All specification must be satisfied after the test.</i></p>
<p>碰撞试验 Shock Test</p>	<p>X,Y,Z 三个方向分别承受 100G 的冲击力, 每向各冲击 3 次 <i>Sounder shall be measured after being applied shock (100G) for each three mutually perpendicular directions to each of 3 times.</i></p>	<p>试验后所有指标都满足 <i>All specification must be satisfied after the test.</i></p>
<p>插针的抗拉强度试验 Terminal Strength Pulling Test</p>	<p>插针承受 5 牛顿拉力, 负荷时间 5s, 然后进行检查, 不出现焊点脱落断裂现象 <i>The force 5 seconds of 5N is applied to each terminal. No visible damage and cutting off.</i></p>	<p>试验后所有指标都满足. <i>All specification must be satisfied after the test.</i></p>
<p>可焊性试验 Solder ability Test</p>	<p>焊锡温度 255°C±5°C, 浸润时间为 3±0.5s, 试验后采用目测的方法检查浸润,表面焊锡的浸润情况 <i>Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of +255±5□ for 3±0.5 seconds.</i></p>	<p>试验后所有指标都满足. <i>All specification must be satisfied after the test.</i></p>

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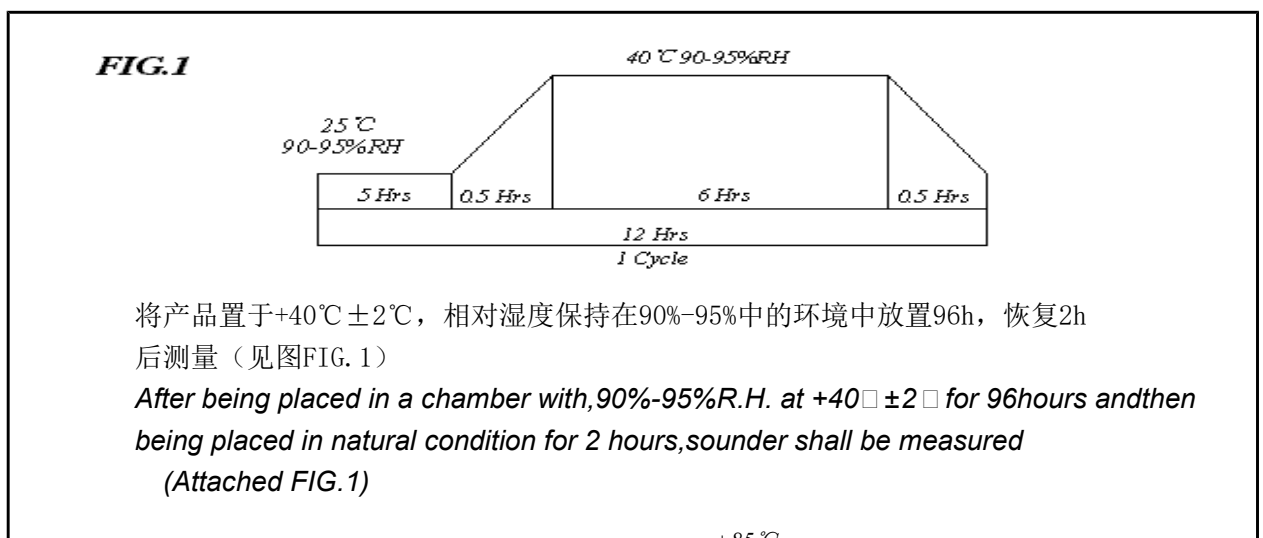
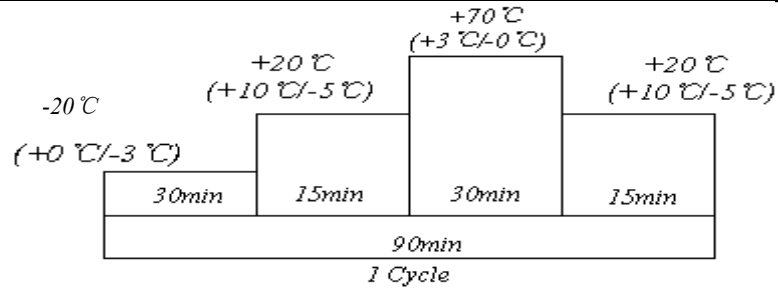


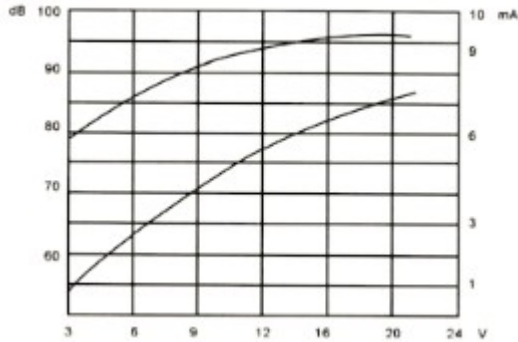
FIG.2



产品在 -20°C 的试验箱和温度为 $+70^{\circ}\text{C}$ 的试验箱各放置30min,为一次温度循环。

产品承受5次温度循环后,放置2h后进行测量(见图FIG.2)

After being placed in a chamber at $-20^{\circ}\text{C} \pm 2^{\circ}\text{C}$ for 30 minutes, sounder shall be placed at room temperature ($+20^{\circ}\text{C}$). After 15 minutes at this temperature, sounder shall be placed in a chamber at $+70^{\circ}\text{C} \pm 2^{\circ}\text{C}$. After 30 minutes at this temperature, sounder shall be returned to room temperature ($+20^{\circ}\text{C}$) for 15 minutes. After 5 above cycles, sounder shall be measured after being placed in natural condition for 2 hours (Attached FIG.2)



频率(见图FIG.3)。

Sounder shall be measured after being applied vibration of amplitude of 1.5mm with 10-55Hz band of vibration frequency for 30 minutes. Sweep time is 1 minute. (Attached FIG.3)

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