

MESSRS.

SPECIFICATION FOR APPROVAL**承 认 书**

| | |
|--------------------------|--------------------------------------|
| Product | MAGNETIC BUZZER (INDICATOR) |
| Part No. | HX-1205-P19 (无卤) |
| Customer Approval | |

| | | |
|--------------------|--------------------|---------------------|
| Approved By | Checked By | Made By |
| 王台平 JUN-15-2020 | 曹丽萍 JUN-15-2020 | LILY JUN-15-2020 |

常 州 华 龙 电 子 有 限 公 司
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EDITION:1.1

[illegible]

1. Specifications

HX-1205-P19 (无卤)

| Items | | Units | Specifications | Conditions |
|-------|---------------------------|--------------|----------------|--|
| 01 | Rated Voltage | VDC | 5 | Response Time 500 mSec |
| 02 | Operating Voltage | VDC | 4~7 | Volts D.C |
| 03 | Consumption Current | mA (Max) | Mean 35 | Applying rated voltage |
| 04 | Direct Current Resistance | Ohm | None | |
| 05 | Sound Output | dBA (min) | 85 | Distance at 10cm, applying rated voltage |
| 06 | Basic Frequency | Hz | 2300± 300 | |
| 07 | Operating Temp. | °C | -40 ~ +85 | |
| 08 | Storage Temp. | °C | -40~ +85 | |
| 09 | Weight | Gram | 2 | |

2. Measuring Method

2-1. Test Condition

STANDARD

Temperature : 15 ~ 35°C

Relative humidity : 25% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

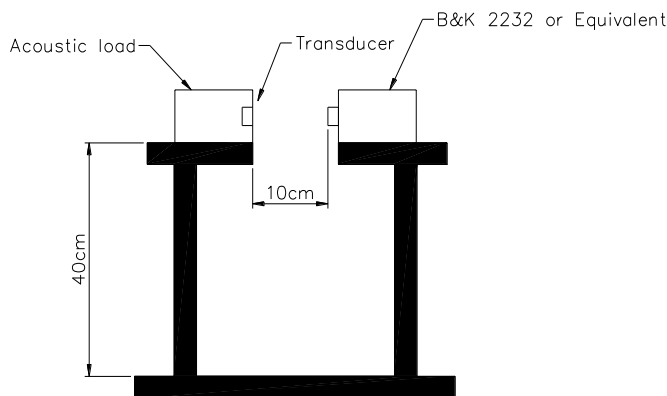
JUDGEMENT

Temperature : 20±3°C

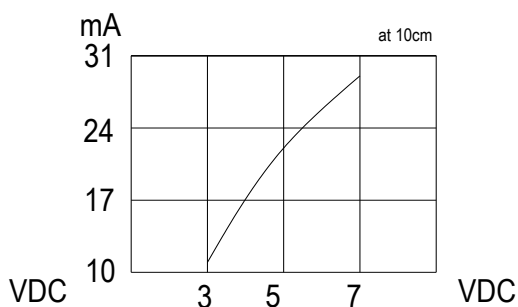
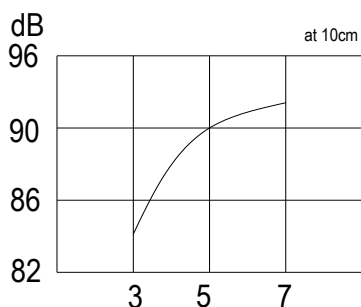
Relative humidity : 60% ~ 70%,

Atmospheric pressure : 860mbar to 1060mbar

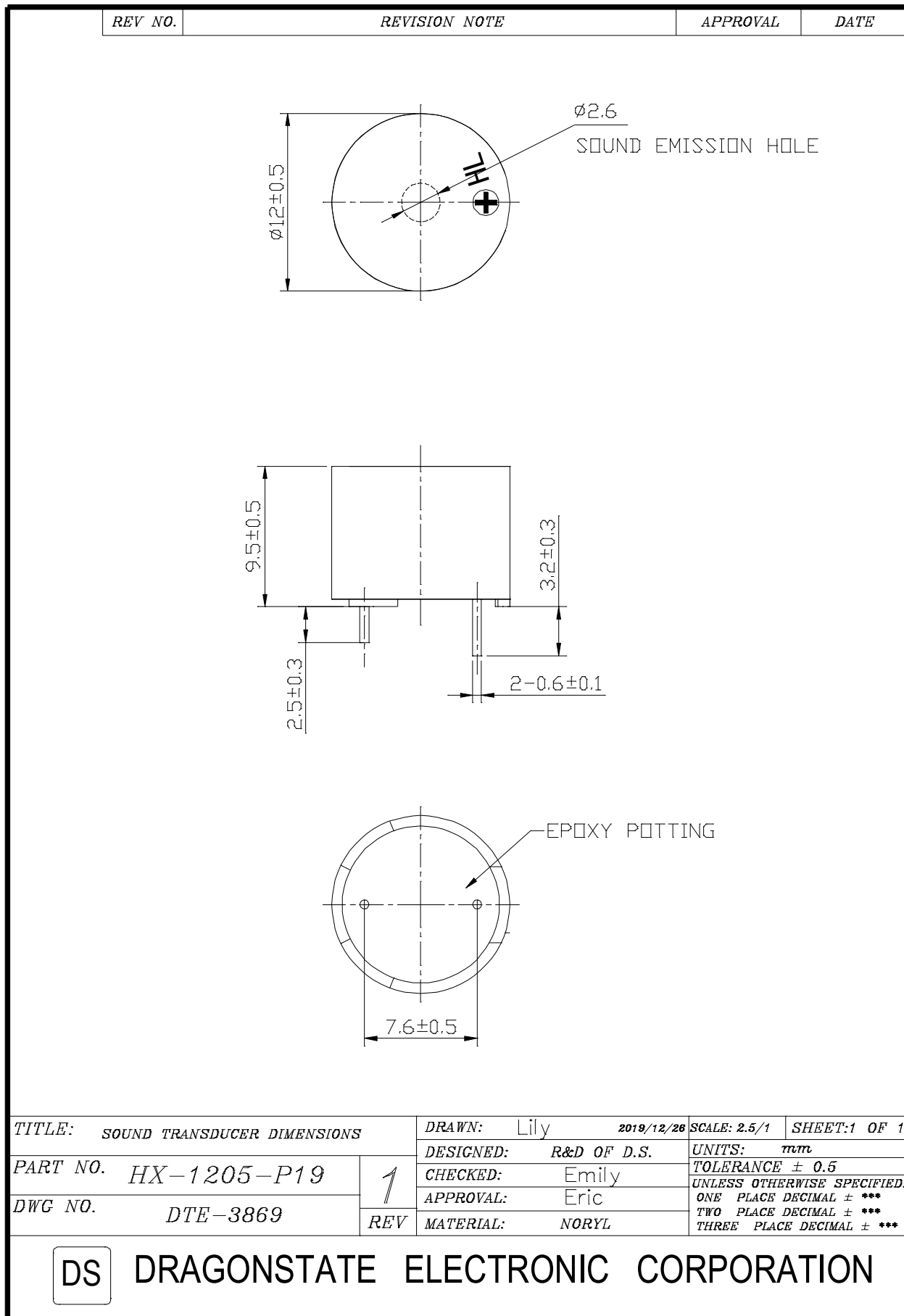
2-3. Standard Test Fixture



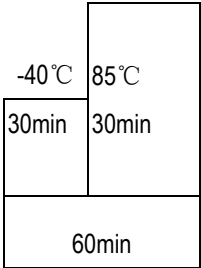
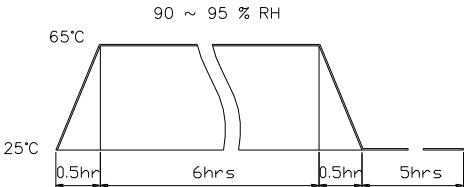
2-4. Frequency Response Curve



3.Dimension

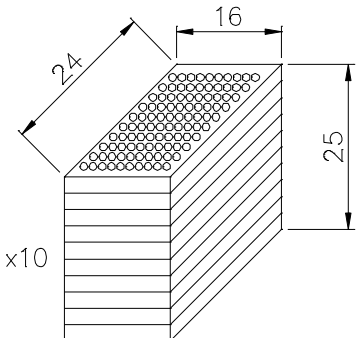
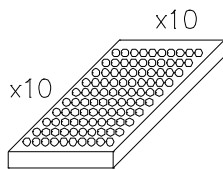
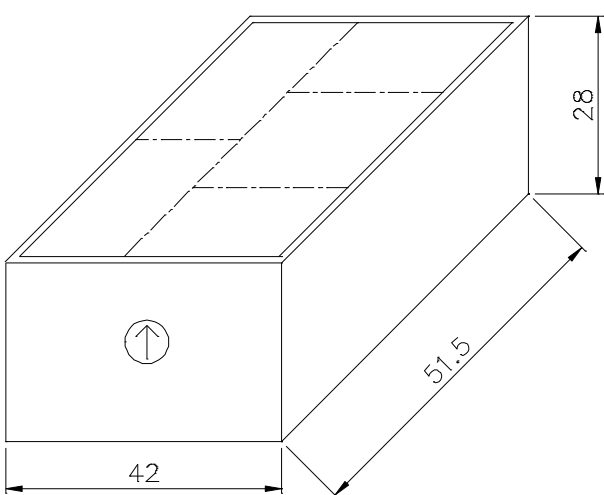


4. Reliability Test

| Item | | Test conditions | Evaluation standard |
|------|------------------------|--|--|
| 01 | High temp.Storage life | The part shall be capable of withstanding a storage Temperature of 85℃ for 96 hours. | <p>After the test the part shall meet specifications without Any degradation in appearance and performance except S.P.L S.P.L shall be 78dB or more.</p> |
| 02 | Low temp.Storage life | The part shall be capable of withstanding a storage Temperature of -40℃ for 96 hours. | |
| 03 | Temp. cycle | <p>The part shall be subjected 10 cycles. One cycle shall consist of;</p>  | |
| 04 | Temp./Humidity cycle | <p>The part shall be subjected 10 cycles. One cycle shall be 12 hours and consist of;</p>  | |
| 05 | Operating life | <p>Rated Voltage applied.</p> <ol style="list-style-type: none"> Ordinary temperature The part shall be subjected to 1000 hours at room temperature (25 ±10℃) High temperature The part shall be subjected to 500 hours at 85℃ Low temperature The part shall be subjected to 500 hours at -40℃ | |
| 06 | Lead Strength | Pull load on the direction of the lead axis for 10 ±1 sec. | |
| 07 | Vibration | The part shall be subjected to a vibration cycle of 10Hz to 55Hz to 10Hz in a period of 1 minute. Total peak amplitude shall be 1.52mm (9.3G). The vibration test shall consist of 2 hours per plane in each three mutually perpendicular planes for a total time of 6 hours. | |

| Item | | Test conditions | Evaluation standard |
|------|------------------------|---|--|
| 08 | Fixed drop | The part shall be mounted on standard pc board and dropped from a height of 152cm onto a concrete floor 5 times in each 6 planes.(a total of 30 times) | After the test the part shall meet specifications without Any degradation in appearance and performance except S.P.L S.P.L shall be 78dB or more. |
| 09 | Free drop | The part only shall be dropped from a height of 75cm onto a 40mm thick wooden board 3 times in 3 axes (X.Y.Z). (a total of 9 times). | |
| 10 | Solder heat resistance | Soldering into solderbath : $350\pm5^{\circ}\text{C}$ Soaking time : 3.5 ± 0.5 sec | |
| 11 | Solder ability | Soldering : $265\pm5^{\circ}\text{C}$ / 5 Sec. $350\pm5^{\circ}\text{C}$ / 1.5 Sec Soldering t into solderbath : $250\pm5^{\circ}\text{C}$ Soaking time : 2 ± 0.5 sec. | |
| 12 | Lead strength | Pull lead with a force of 10N,on the direction of the lead axis for 10 : 10 ± 1 sec | |
| 13 | Washability | Solvent : deionized water Solvent temp. : $55\pm5^{\circ}\text{C}$ Soaking time : 5 ± 0.5 min. | |
| 14 | Half-sine shock pulsed | Three shocks in each direction applied along 3 mutually perpendicular planes, 18 total shock. Velocity : 50 G's\ Duration: 11 milliseconds | |

5.Packing

| REV NO. | REVISION NOTE | APPROVAL | DATE |
|---|-----------------|--|----------------|
| <p>1 FLAT = 100 PCS.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>10 FLAT = 1 SMALL BOX</p>  </div> <div style="text-align: center;"> <p>PLASTIC BAG 44*43</p>  </div> </div> <p>5 SMALL BOX = 1 BIG BOX</p> <div style="display: flex; justify-content: space-between; align-items: flex-start; padding: 20px;"> <div style="border: 1px solid black; padding: 10px; width: 30%;"> <p>Gross Weight : 10Kgw. Net Weight : 11.5Kgw. MADE IN CHINA</p> </div> <div style="text-align: center;">  </div> </div> | | | |
| TITLE: PACKING | | DRAWN: Lily | 2013/05/29 |
| PART NO. | | DESIGNED: R&D OF D.S. | SCALE: SHEET: |
| DWG NO. | | CHECKED: Emily | UNITS: cm |
| | | APPROVAL: Eric | TOLERANCE ±0.1 |
| | | UNLESS OTHERWISE SPECIFIED: ONE PLACE DECIMAL ± *** TWO PLACE DECIMAL ± *** THREE PLACE DECIMAL ± *** | |
| REV | MATERIAL: ***** | | |
| <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 5px 10px; margin-right: 10px;">DS</div> <div>DRAGONSTATE ELECTRONIC CORPORATION</div> </div> | | | |