

Elektromagnetischer Signalgeber AL-60SP05HT

mit Ansteuerung Art.-Nr.: 170052HT

Specification :

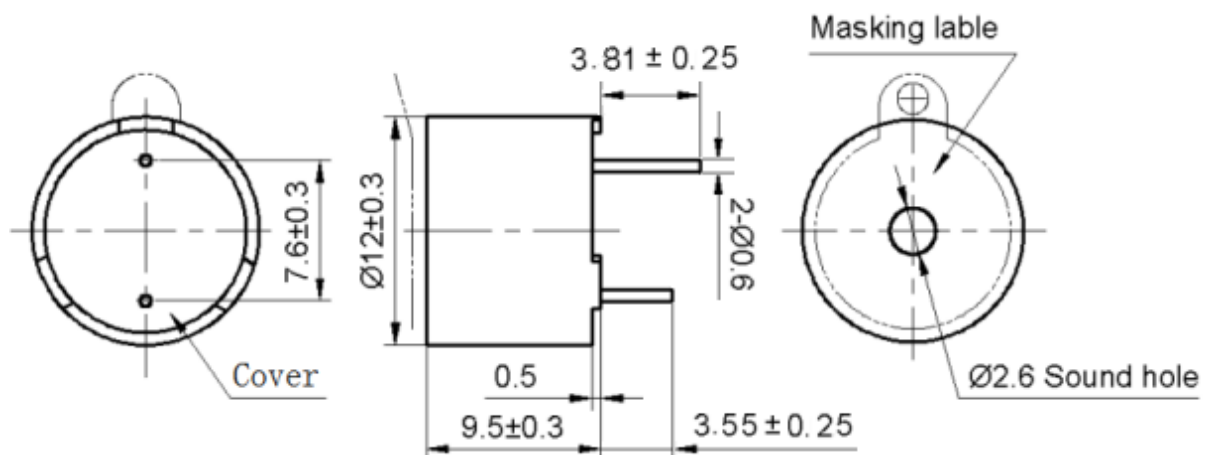
| TYPE | UNIT | AL-60SP05HT |
|-----------------------------|------|-------------|
| • Min. Sound Output at 30cm | dB | >90 |
| Rated Voltage | VDC | 5 |
| Operating Voltage | VDC | 3~6.5 |
| Resonant Frequency | Hz | 2400±300 |
| • Max. Current Consumption | mA | 30 |
| Operating Temperature | °C | -40~+85 |
| Storage Temperature | °C | -40~+90 |
| Housing Material | | PPS |
| Weight | g | 1.8 |

- Value applying at rated voltage

Dimensions:

(Unit: mm)

Tolerance : ± 0,5mm Except Specified

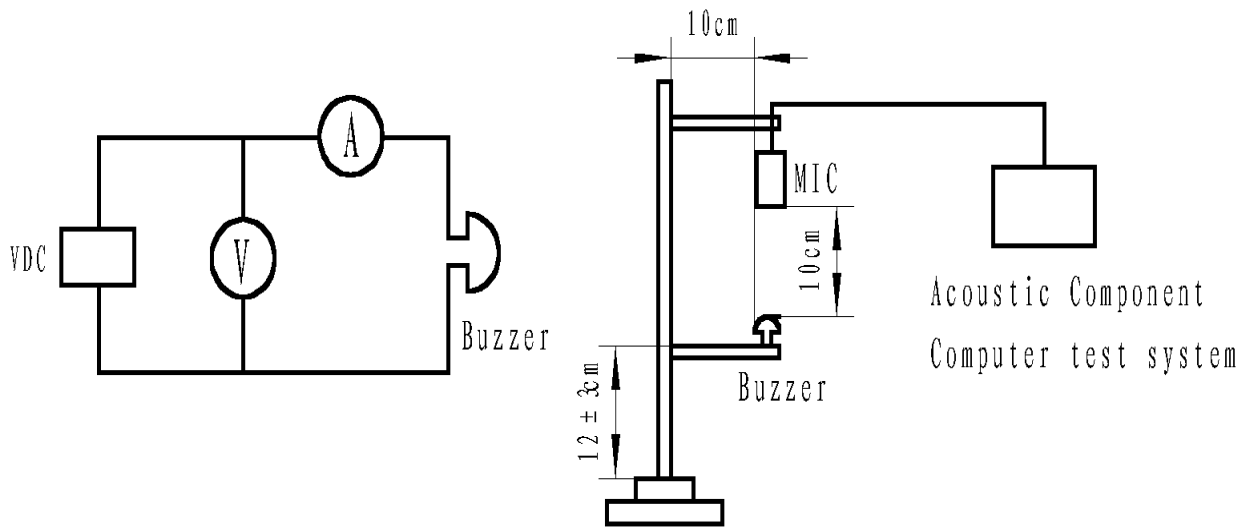


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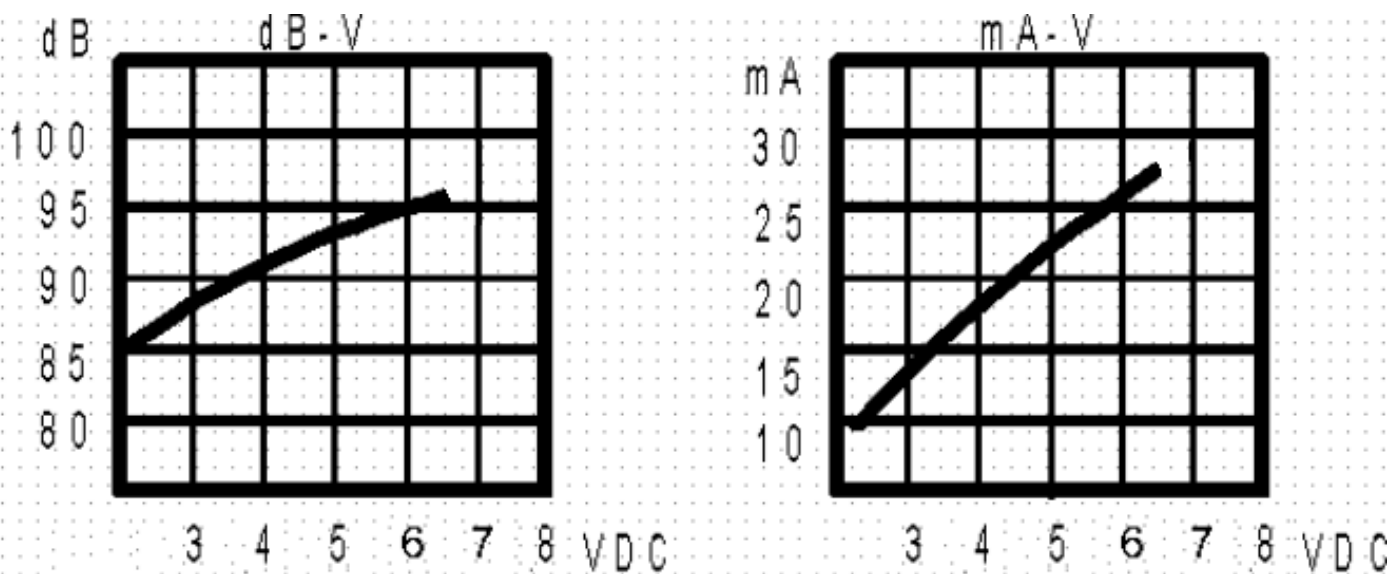
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Test Method:



Frequency Response:



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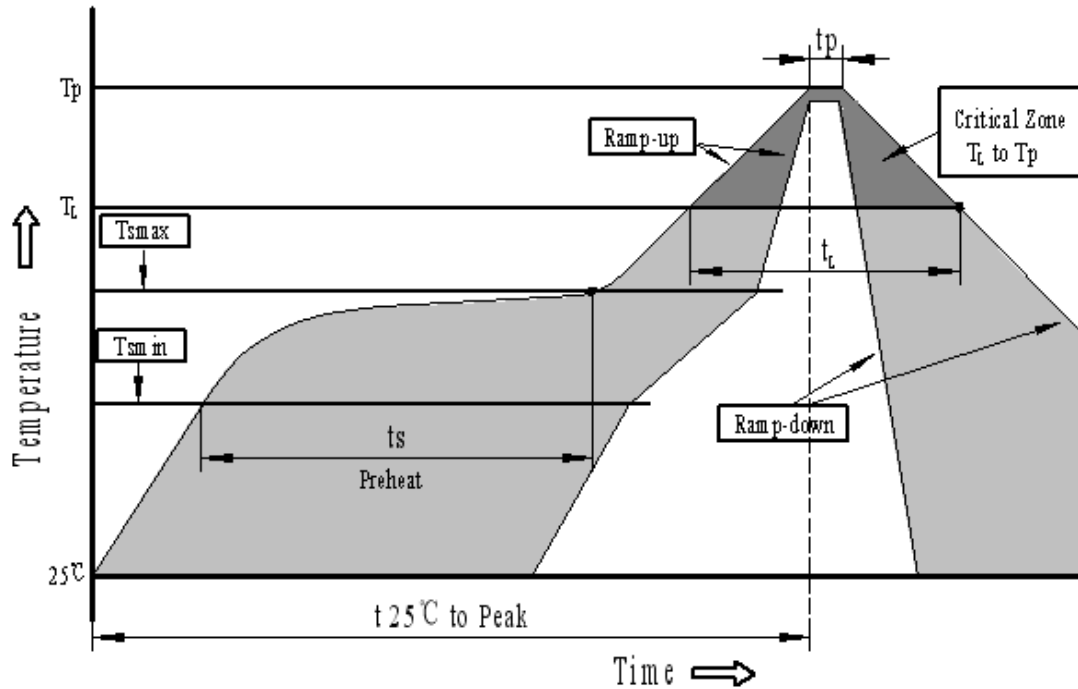
Reliability Test:

| NO. | ITEM | TESTING CONDITION | VARIANCE AFTER TEST |
|--|---|---|--|
| 1 | Humidity | 40±2°C, 90~95% RH, 96HRS | All specifications must be satisfied after the test |
| 2 | High temp. | +90±2°C, 96HRS | |
| 3 | Low temp. | -40±2°C, 96HRS | |
| 4 | Temperature cycling | -40±2°C, 30 minutes room temp. 15 minutes +90±2°C, 30 minutes room temp. 15 minutes 5 cycles | |
| 5 | Drop test | 3 times from height of 70cm onto the surface of 10mm thick wooden board. | |
| 6 | Vibration test | Make the test for the directions of X Y and Z (total 6 hours). To-and-fro sweep time (from 10 to 55 Hz and then 55 to 10) under single amplitude of 1.0mm is 1 minute. | |
| 7 | Solder heat resistance | The part leads (pins) shall be immersed in molten solder maintained at 260±5°C for a period of 10 seconds. Refer to GB2423. 28. | After the test part shall meet specifications without any degradation in appearance and performance. |
| 8 | Recommended temp. Profile for Reflow Oven | Shown in Fig.1 | |
| Warranty: For a period of one year from date of manufacture under normal operations. | | | |

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Recommended Temp.: Profile for Reflow Oven (Fig.1)



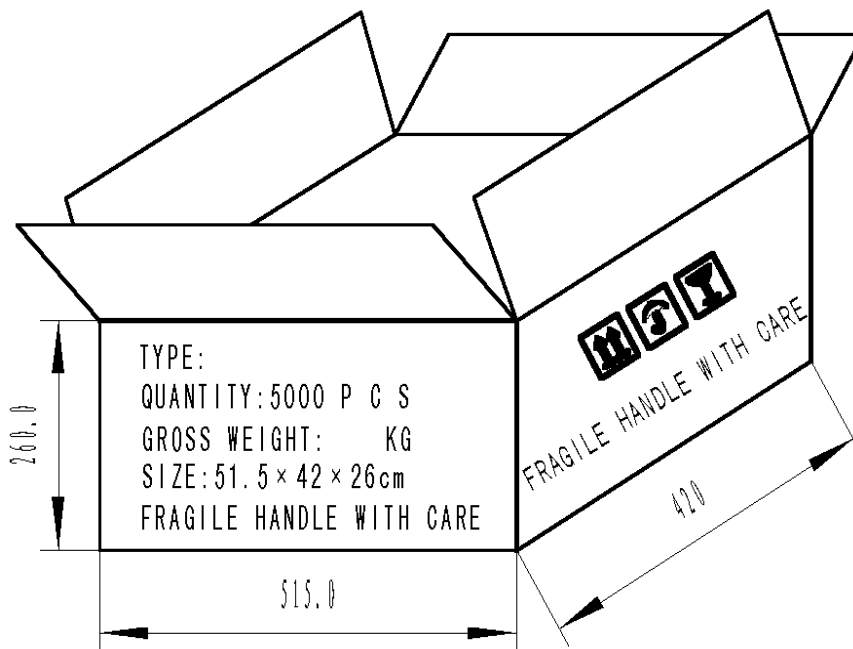
| Profile Feature | Pb-Free Assembly |
|--|------------------|
| Average ramp-up rate (T_L to T_p) | 3°C/second max. |
| Preheat | |
| -Temperature Min. (T_{smin}) | 150°C |
| -Temperature Min. (T_{smax}) | 200°C |
| -Temperature Min. (t_s) | 60~180 seconds |
| T_{smax} to T_L | |
| -Ramp-up Rate | 3°C/second max. |
| Time maintained above: | |
| - Temperature (T_L) | 217°C |
| - Time (T_L) | 60~150 seconds |
| Peak temperature (T_p) | 245°C+0/-5°C |
| Time within 5°C of actual Peak temperature (t_p) | 6 seconds max. |
| Ramp-down Rate | 6°C/second max. |
| Time 25°C to Peak Temperature | 8 minutes max. |

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Packing:



NOTES:

1. 100PCS per box
2. Total 50 boxes per carton
3. Total 5000 PCS carton
4. Volume: 51.5X42X26cm

Revision:

| No. | Date | Description | Remark | Version |
|-----|---------------|-------------------|-------------|---------|
| 1 | July 07, 2020 | Initial condition | AL-60SP05HT | V2.0 |

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