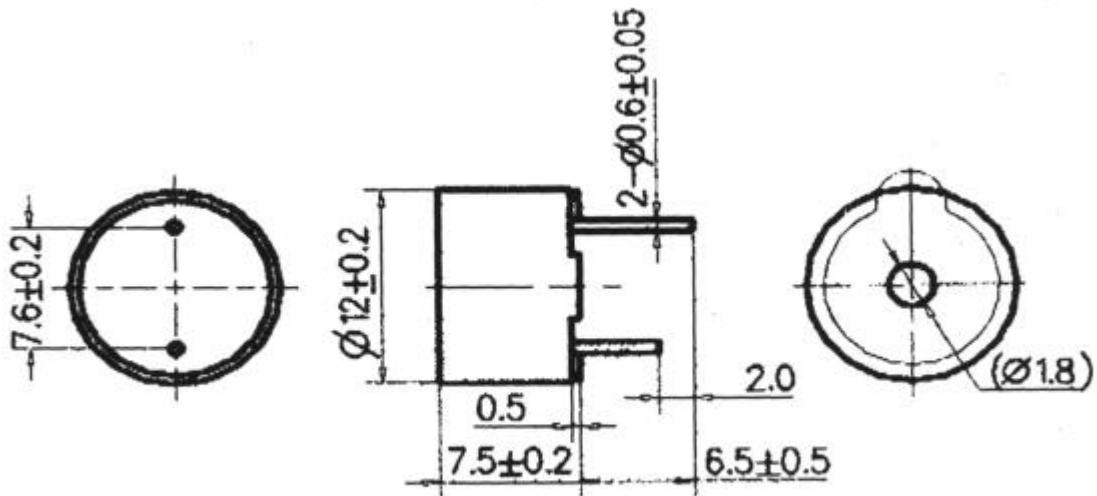


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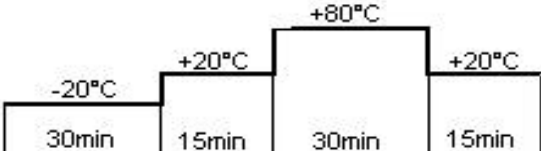
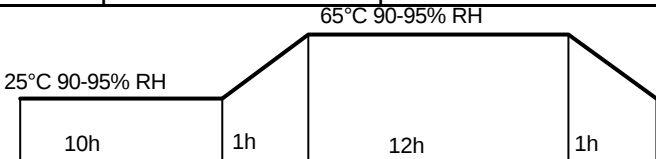
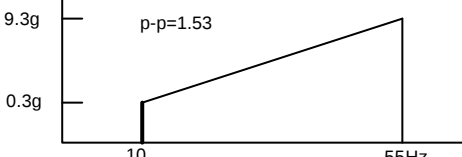
## Technical terms *Technische Daten*

|                                                                               |              |
|-------------------------------------------------------------------------------|--------------|
| Rated Voltage <i>Nennspannung</i>                                             | 5V           |
| Operating voltage <i>Betriebsspannungsbereich</i>                             | 3...7V       |
| a) Rated Current <i>Nennstrom</i>                                             | ≤30mA        |
| a) Sound Output [SPL]at 10 cm <i>Schalldruckpegel] in 10 cm</i>               | ≥83dB        |
| a) Resonant Frequency <i>Resonanzfrequenz</i>                                 | 2300 ± 400Hz |
| Operating Temperature <i>Betriebs-Temperatur</i>                              | -20 ...+70°C |
| Storage Temperature <i>Lagerungs-Temperatur</i>                               | -20 ...+80°C |
| Weight <i>Gewicht</i>                                                         | 2g           |
| a) Value applying rated voltage (DC)<br>Wert bei angelegter Nennspannung (DC) |              |

## Drawings *Zeichnungen*



|                                                                                                                      |          |      |                     |                  |     |                   |                    |                                                   |  |
|----------------------------------------------------------------------------------------------------------------------|----------|------|---------------------|------------------|-----|-------------------|--------------------|---------------------------------------------------|--|
| <div><br/><i>Electronic</i></div> |          |      | Halbzeug, Werkstoff |                  |     | Untolerierte Maße |                    | Zeichn.-Nr.<br><div>981211.6B</div>               |  |
|                                                                                                                      |          |      |                     |                  |     | Maßstab           |                    | Ersatz f. <div>Page Blatt1 of von 2</div> Zeichn. |  |
|                                                                                                                      | Tag      | Name | And. zust.          | And.-Mittlg. Nr. | Tag | Name              | <div>F/UCW06</div> |                                                   |  |
| gezeichnet                                                                                                           |          |      |                     |                  |     |                   |                    |                                                   |  |
| bearbeitet                                                                                                           | 18.01.99 |      |                     |                  |     |                   |                    |                                                   |  |
| geprüft                                                                                                              | 18.01.99 |      |                     |                  |     |                   |                    |                                                   |  |
| normgepr.                                                                                                            |          |      |                     |                  |     |                   |                    |                                                   |  |

| Item                           | Method of test                                                                                                                                                                                 | Standard                                                |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| Storage in high temp.          | Storage in +80°C test box for 240hours, then expose to the room temperature for 2 hours without applying power.                                                                                | All specifications must be satisfied in this condition. |
| Storage in low temp.           | Storage in -20°C test box for 240 hours, then expose to the room temperature for 2 hours without applying power.                                                                               | All specifications must be satisfied in this condition. |
| Life test in room temp.        | Operate continuously for 1000 hours with applying rated voltage.                                                                                                                               | All specifications must be satisfied in this condition. |
| Life test in high temp.        | Operate continuously in +70°C for 500 hours applying 7V.                                                                                                                                       | All specifications must be satisfied in this condition. |
| Life test in low temp.         | Operate continuously in -20°C for 500 hours applying 3V.                                                                                                                                       | All specifications must be satisfied in this condition. |
| Temperature cycle test         |  <p>Make this test for 5 cycles without applying power, then expose to the room temperature for 2 hours.</p> | All specifications must be satisfied in this condition. |
| Humidity cycle test            |  <p>Make this test for 5 cycles without applying power, then expose to the room temperature for 2 hours.</p> | All specifications must be satisfied in this condition. |
| Vibration test                 |  <p>Make this test for the directions X,Y and Z for 30minutes each. To- and -fro sweep time is 1min.</p>     | All specifications must be satisfied in this condition. |
| Drop test                      | Drop a Buzzer naturally from the height of 800mm to the surface of 10 mm thick wooden board. Three directions (X,Y &Z)                                                                         | All specifications must be satisfied in this condition. |
| Solderability                  | 230±5°C temperature of melted solder, 3 ± 0.5sec duration of dipping. After test minimum 90% coverage of surface                                                                               | All specifications must be satisfied in this condition. |
| Resistance against solder-heat | No deterioration after dipping in solder 260±5°C for 10sec.                                                                                                                                    | All specifications must be satisfied in this condition. |
| Pin Strength                   | Each Pin may withstand against pulling force of 1kg for 30seconds                                                                                                                              | All specifications must be satisfied in this condition. |

|                                                                                     |                     |      |                   |                  |                                                   |      |
|-------------------------------------------------------------------------------------|---------------------|------|-------------------|------------------|---------------------------------------------------|------|
|  | Halbzeug, Werkstoff |      | Untolerierte Maße |                  | Zeichn.-Nr.<br><b>981211.6B</b>                   |      |
|                                                                                     |                     |      | Maßstab           |                  | Ersatz f. <b>Page Blatt 2</b> of von 2<br>Zeichn. |      |
|                                                                                     | Tag                 | Name | And. zust.        | And.-Mittlg. Nr. | Tag                                               | Name |
| gezeichnet                                                                          |                     |      |                   |                  |                                                   |      |
| bearbeitet                                                                          | 18.01.99            |      |                   |                  |                                                   |      |
| geprüft                                                                             | 18.01.99            |      |                   |                  |                                                   |      |
| normgepr.                                                                           |                     |      |                   |                  |                                                   |      |

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**Reliability Test**

Vervielfält.-Pause  
Nr.

Arbeitspause Nr.