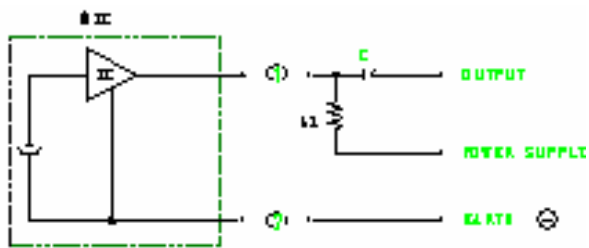
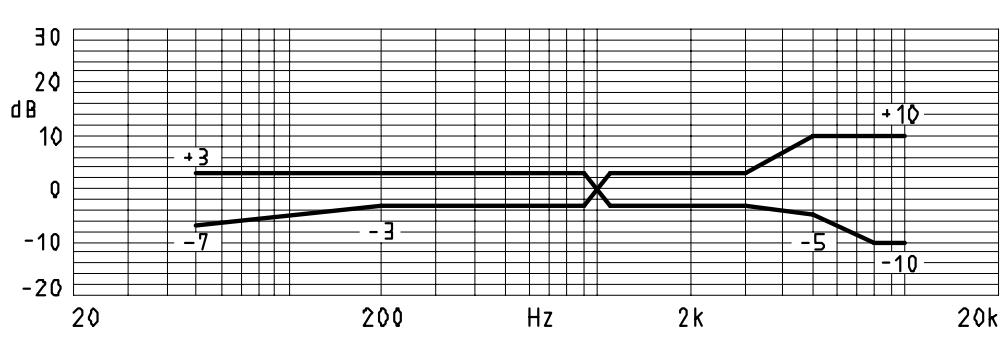
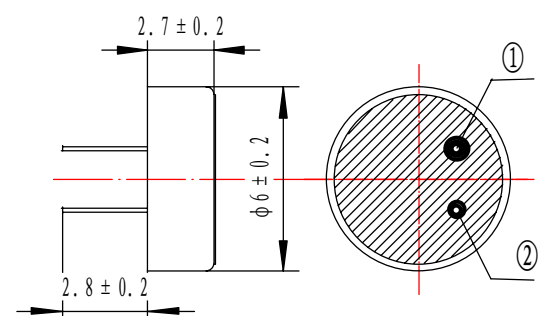


SPECIFICATION

 TYPE: Electret Condenser Microphone
 Part No.: MWF-6027-623-BP

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|--|----------------------------|---|
| 1. | Model No. | This specification applies electret condenser microphone(E.C.M) |
| 2. | Model No. | MWF-6027-623-BP |
| 3. | Operation Condition | |
| | Temperature | ~+70°C |
| | Rel. Humidity | %~85%RH |
| | Pressure | ~106KPa |
| | Environmental Noise | dB(Maximum) |
| | Operation Voltage | ~+10VDC |
| | Earth | ⊖ |
| 4. | Electrical Characteristics | |
| | Standard Operation Voltage | 0VDC |
| | Impedance | k Ω (Maximum) |
| | Current Consumption | mA(Maximum) |
| | Sensitivity | B=1V/0.1Pa,1KHz dB ± 3 |
| | Directivity | Directional |
| | S/N Ratio | dB(Minimum)(A-Curve at 1KHz,0.1Pa) |
| | Schematic Diagram | |
|  | | |
| C=1 μ F RI=2.2k Ω | | |
| 测试环境温度 | C±2°C | |
| 测试环境湿度 | %~65%RH | |

| | |
|---|---|
| <p>Frequency Response</p>  | |
| <p>Mechanical Characteristics</p> | |
| Dimension | 10x2.2 |
| Mass | 0.5g |
| <p>Dimensional Drawing</p>  | |
| <p>Reliability Tests</p> <p>The sensitivity to be within ±3dB of initial sensitivity after 3 hours of conditioning at 20°C.</p> | |
| Vibration | <p>Frequency 1 10Hz~55Hz Amplitude ±0.15mm Frequency 2 55Hz~150Hz Acceleration 20m/s² Range of Frequency 1octave/min Cycles in each of 3 axes</p> |
| Shocks | <p>Pulse Shape Half Sinusoidal Pulse Duration 11ms Acceleration 150m/s² Number of Jolts 10 in each of 3 axes</p> |
| Dry Heat/Cold | <p>25°C for 72 hrs -20°C for 72 hrs</p> |
| Damp Heat | <p>85%RH,+40°C for 120 hrs</p> |
| Temperature Cycles | <p>20°C ↔ 25°C ↔ 70°C Cycles (1h) (2h) (1h) (2h) 10cycles</p> |

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| utions |
| The soldering copper of a smaller type of less than 20W shall be applied. |
| The temperature of the working surface of the soldering copper shall be below 270°C. |
| E.C.M shall be soldered fixed on the metal block (heat sink) which has the higher radiation effects. Said heat sink shall contact with each of E.C.M. |
| The soldering time for each terminal shall be 1~2 sec. |

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| The pin hole soldering shall be avoided. |
| E.C.M may easily destroyed by the static electricity, and the countermeasure for eliminating the static electricity (the ground for soldering copper, for worktable and for man body) shall be executed. |

| WRTN | CHKD | APVD | DESCRIPTION |
|------|------|------|-------------|
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