

1 Specifications

- 1-1 Appearance, Dimensions See fig.1
 1-2 Electrical specifications below show data at no rest cavity
- | | |
|---------------------------|--|
| 1) Type | Dynamic Microphone unit |
| 2) Sensitivity | -55dB±3dB(0dB=1V/Pa)at 1kHz |
| 3) Frequency range | 90Hz ~ 12 kHz |
| 3) Polar Pattern | Uni-directional |
| 4) Impedance | 600 Ω ± 15% |
| Frequency Characteristics | Measure its sound pressure at 0.5m distance. |
| 6) Polarity | Testing microphone is E66K type 4133 or equivalent. See fig.2
(+) Output at output terminal (+) when positive voltage is applied to diaphragm |

fig.1

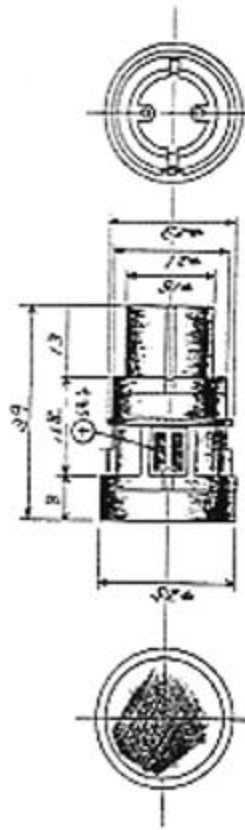


fig.2 Frequency

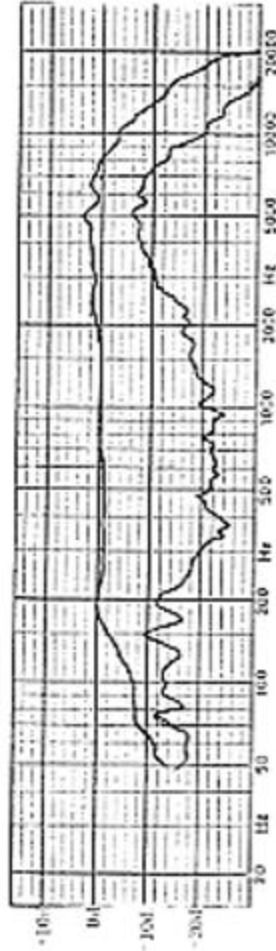
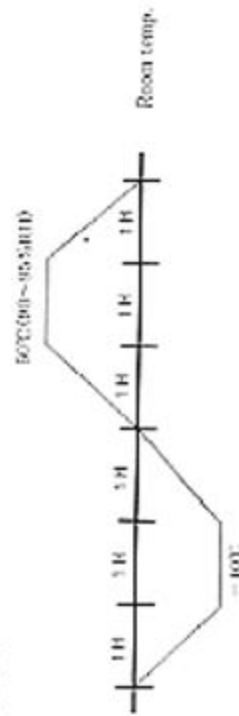


fig.3 (1 cycle)



1-3 Weight

22g

2 Mechanical test

- 2-1 Drop test
 Drop a unit on to hard wooden board from 0.5 meter high three times each on X, Y and Z axis. Sample should operate normal.
- 2-2 Vibration
 Vibration at 1000 RPM. Amplitude 3mm in X, Y and Z axis for 10 minutes each. Sample should operate normal.

3 Environmental test

- 3-1 Heat
 Keep at temperature 53±2°C, humidity 20~50% chamber for 48 hours. Leave at room temperature for two hours min. The sample should satisfy all no substantial change should be observed.
- 3-2 Humidity
 Keep at temperature 40±2°C, humidity 90~95% chamber for 48 hours. Leave at room temperature for two hours min. The sample should satisfy all no substantial change should be observed.
- 3-3 Heat cycle
 Apply 6 heat cycles as per fig. 3. Leave at room temperature for two hours min. Swallow deviation should be ±2dB from original value. Frequency characteristics shall be within the spec. All specifications should be satisfied except anomaly.