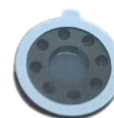


General Description

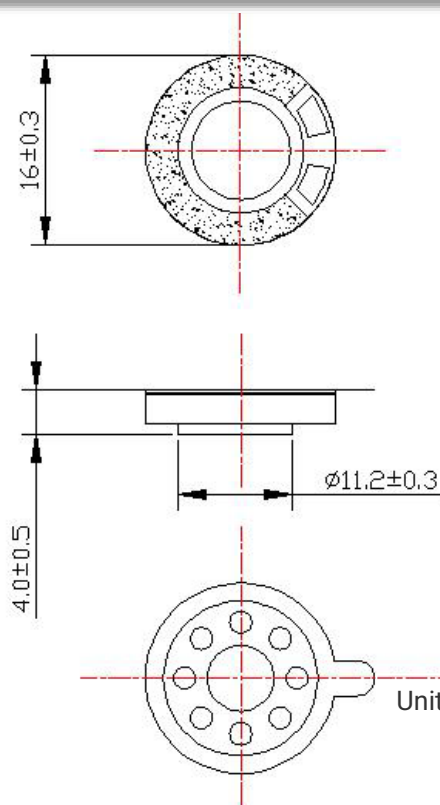
Φ16 x 4.0mm Mylar Speaker



ELECTRICAL SPECIFICATIONS

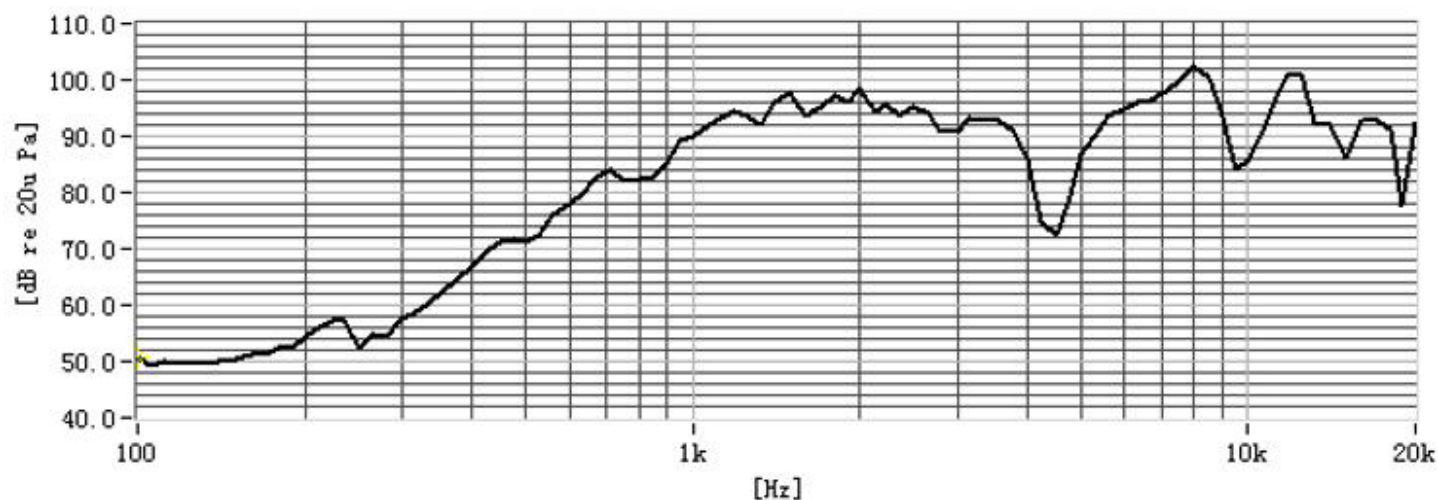
| Parameters | | Value | Unit |
|-----------------------------|--|-----------|------|
| Lowest Resonance Frequency | | 1100 ±20% | Hz |
| Impedance | @ 1.0kHz | 8±20% | Ω |
| Rated Input Power | | 0.5 | W |
| Input Power, max | | 1 | W |
| Dimension | | Φ16 | mm |
| Height | | 4.0 | mm |
| Sound Pressure Level | @ SPL(0.1m,0.5W) @ 1.0kHz (0dB SPL=20μPa) | 90±3 | dB |
| Distortion, max | @ 2.0kHz | 10 | % |
| Operating Temperature Range | | -20 ~ +50 | °C |
| Storage Temperature Range | | -30 ~ +60 | °C |
| Audible Noise | The input power shall be set at rated noise power(0.5W). Using an audio oscillator sweep from F0 to 10kHz in free air. There shall be no buzzes, rattles, nor spurious noises. | | |

DIMENSIONS

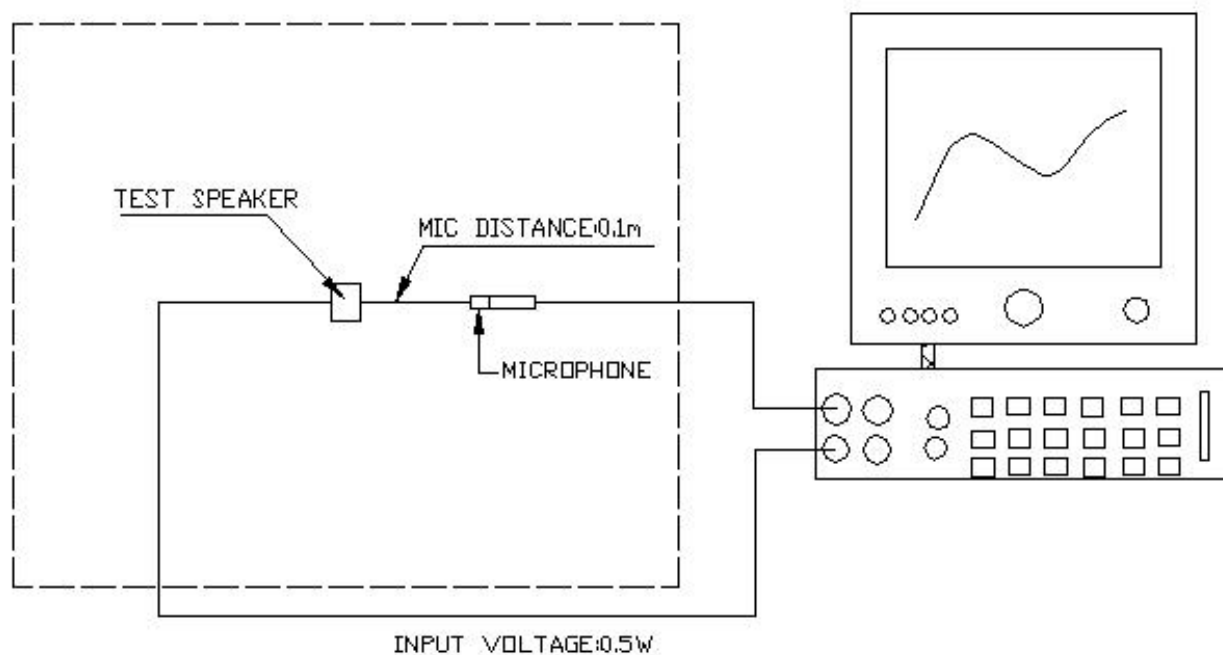


Unit: mm; Tolerance: ±0.3mm Except Specified

FREQUENCY CHARACTERISTICS



ELECTRICAL AND ACOUSTICAL MEASURING CONDITION



RELIABILITY TEST

Reliability Test Performance

High Temperature Test

96hours at +60°C±5°C

Low Temperature Test

96 hours at -30°C±5°C

Humidity Test

96hours at +40°C±5°C, 90-95% RH

Vibration Test

Vibration: 10Hz ~ 55Hz

Amplitude: 1.5mm or acceleration : 50m/s²

Duration : 2h per axis=10cycles ; 3 axis

Temperature Cycle Test

Temperature: -30°C ↔ +60°C

Duration : 2 hours 2hours

Cycle: 5 Cycle

Drop Test Drop

Height: 1.0m (75°)

Cycle: 6 Cycles

Load Test

Noise: White noise

Power: 0.5W

Duration: 96 hours and satisfy

Waterproof Grade

IP67

APPROVAL

| | |
|-------------|--------------------|
| DRAWN BY | AR, April 23, 2025 |
| APPROVED BY | CP, April 23, 2025 |
| REVISION | A, Initial Release |



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