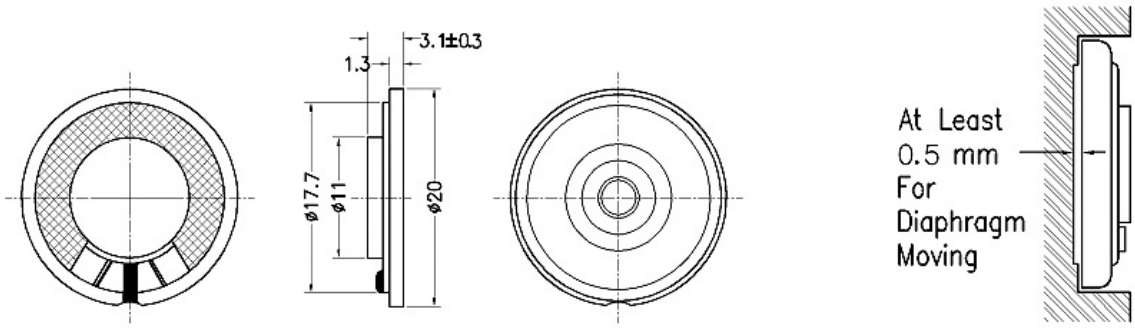
Datasheet

Item no. 1570190

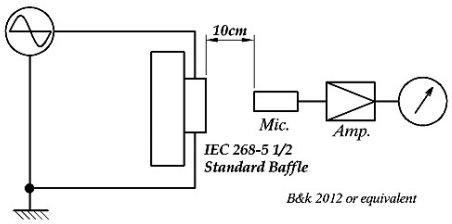
V1_07272018_01_en

Micro speaker for voice speech and multimedia

Dimensions Unit: mm ±0.5



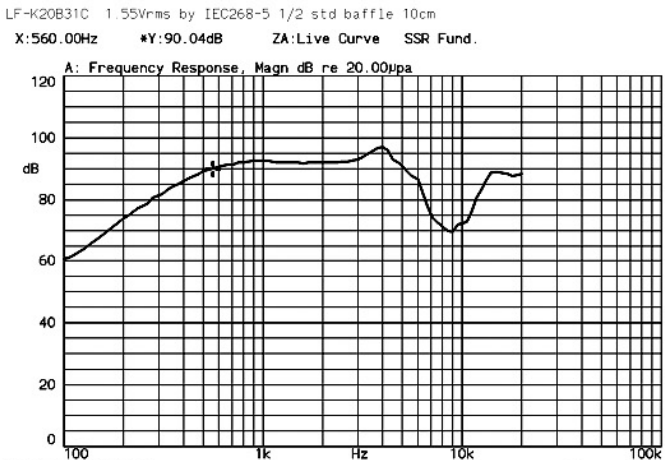
Electrical and Acoustical Measuring Condition



(Fig. 2.)

Input Voltage: 1.55Vrms sine wave

Measuring by IEC268-5 1/2 std. Baffle at 10cm



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1. Product Outline

1-1 Scope	This specification is applied for Micro speaker.
1-2 Dimension	As shown in fig (1).
1-3 Net Weight	Approx. 2.1g

2. Electrical and Acoustical Characteristics

2-1 Test Set Up	Measuring conditions and procedures shown in fig (2).
2-2 Nominal Impedance	8Ω ± 15%
2-3 Resonant Frequency	560 Hz ± 20%
2-4 Sound Pressure Level	89 ± 3 dB average: 800Hz ~ 6,000Hz Input 1.55Vrms sine wave/10cm by IEC268-5 1/2 standard baffle
2-5 Frequency Response	Fo ~ 20KHz/As shown in fig (3)
2-6 Input Power (Nom./Max.)	0.3W /0.5W
2-7 Audible Noise	Must not be audible noise (buzzes and rattles) At 1.55V from 500Hz to 2KHz
2-8 Distortion	10% Max. Input nominal power at 1,000Hz
2-9 Polarity	When a positive DC current is applied to the voice coil terminal marked +, the diaphragm shall move forward.
2-10 0peration Temperature	-20°C ~ +55°C
2-11 Storage Temperature	-25°C ~ +55°C

3. Reliable Test

3-1 Load Test	Must be normal after load test: White noise 0.3W/48hrs
3-2 High Temperature Test	+55 ± 3°C / 1 hrs and then 1 hr room temp.
3-3 Low Temperature Test	−20 ±3°C / 1 hrs and then 1 hr room temp.
3-4 Humidity Test	140 ± 3°C/90 ~ 95% RH /48 hrs and then 1 hr room temp.
3-5 Drop Test	75cm Free Falling On Counter Floor, 5 Times.

Test result of 3-1 ~ 3-5 should be satisfy to 2-2 ~ 2-8.