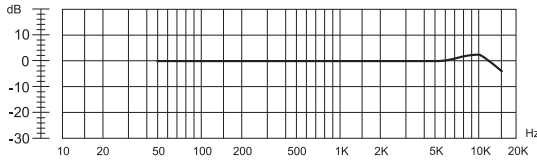


SoniCrest Microphones

HBO06G,H Series

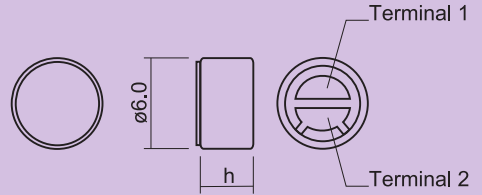
Frequency Response

Applied Voltage $V_s = 3V$
Load Resistance $R_L = 2.2k\Omega$



Dimension

Unit: mm
Tolerance : 0.3mm



Specification (all data taken at 25°C unless otherwise specified)

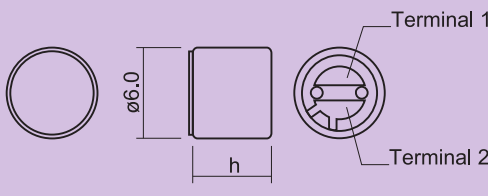
| Model | h (mm) | Directivity | *Sensitivity (dB) | Rated Voltage (V) | Maximum Operating Voltage(V) | Current Consumption (mA) | Frequency Range (Hz) | Impedance (Ω) | Sensitivity Reduction (dB) | S/N Ratio (dB) |
|-------------|--------|-----------------|-------------------|-------------------|------------------------------|--------------------------|----------------------|------------------------|----------------------------|----------------|
| HBO0603G-65 | 3.5 | Omnidirectional | -45 \pm 3 | 3 | 10 | ≤ 0.5 | 50 ~ 16000 | Low | ≤ -3 at 2V | ≥ 60 |
| HBO0603H-65 | 2.7 | Omnidirectional | -45 \pm 3 | 3 | 10 | ≤ 0.5 | 50 ~ 16000 | Low | ≤ -3 at 2V | ≥ 60 |

★ Condition : 0dB = 1V/pa, 1KHz, Different sensitivity level is available upon request.

HBU06A,B,C Series

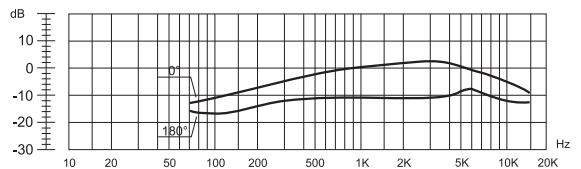
Dimension

Unit: mm
Tolerance : 0.3mm



Frequency Response

Applied Voltage $V_s = 3V$
Load Resistance $R_L = 2.2k\Omega$



Specification (all data taken at 25°C unless otherwise specified)

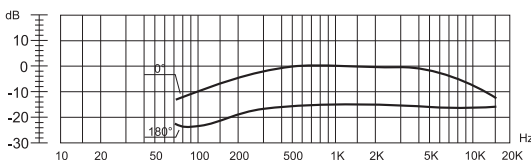
| Model | h (mm) | Directivity | *Sensitivity (dB) | Rated Voltage (V) | Maximum Operating Voltage(V) | Current Consumption (mA) | Frequency Range (Hz) | Impedance (Ω) | Sensitivity Reduction (dB) | S/N Ratio (dB) |
|-------------|--------|----------------|-------------------|-------------------|------------------------------|--------------------------|----------------------|------------------------|----------------------------|----------------|
| HBU0603A-65 | 5.0 | Unidirectional | -45 \pm 3 | 3 | 10 | ≤ 0.5 | 100 ~ 10000 | Low | ≤ -3 at 2V | ≥ 60 |
| HBU0603B-65 | 3.5 | Unidirectional | -45 \pm 3 | 3 | 10 | ≤ 0.5 | 100 ~ 10000 | Low | ≤ -3 at 2V | ≥ 60 |
| HBU0603C-65 | 2.7 | Unidirectional | -45 \pm 3 | 3 | 10 | ≤ 0.5 | 100 ~ 10000 | Low | ≤ -3 at 2V | ≥ 60 |

★ Condition : 0dB = 1V/pa, 1KHz, Different sensitivity level is available upon request.

HBU10A,B Series

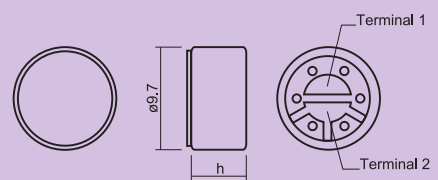
Frequency Response

Applied Voltage $V_s = 1.5V$
Load Resistance $R_L = 680\Omega$



Dimension

Unit: mm
Tolerance : 0.3mm



Specification (all data taken at 25°C unless otherwise specified)

| Model | h (mm) | Directivity | *Sensitivity (dB) | Rated Voltage (V) | Maximum Operating Voltage(V) | Current Consumption (mA) | Frequency Range (Hz) | Impedance (Ω) | Sensitivity Reduction (dB) | S/N Ratio (dB) |
|-------------|--------|----------------|-------------------|-------------------|------------------------------|--------------------------|----------------------|------------------------|----------------------------|----------------|
| HBU1001A-65 | 5.2 | Unidirectional | -45 \pm 3 | 1.5 | 10 | ≤ 0.5 | 100 ~ 10000 | Low | ≤ -3 at 2V | ≥ 60 |
| HBU1001B-65 | 5.0 | Unidirectional | -45 \pm 3 | 1.5 | 10 | ≤ 0.5 | 100 ~ 10000 | Low | ≤ -3 at 2V | ≥ 60 |

★ Condition : 0dB = 1V/pa, 1KHz, Different sensitivity level is available upon request.