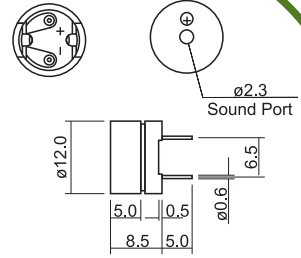
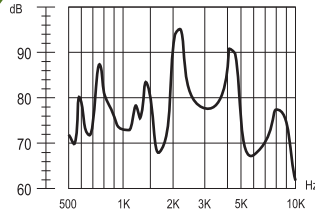


# SoniCrest Electro-Magnetic Sound Generators

## HC12G Series



**Dimension**  
Unit: mm  
Tolerance : 0.3mm

### Frequency Response

Applied Voltage : 1.5V, 50% Duty Square Wave  
Measuring Distance : 10cm

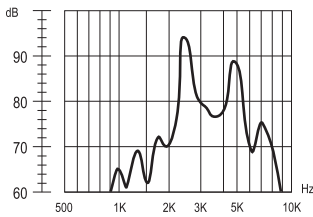
**Specification** (all data taken at 25°C unless otherwise specified)

| Model    | Rated Voltage (V) | Operating Voltage (V) | ★Rated Current (mA) | Coil Resistance (Ω) | ⊕Coil Impedance (Ω) | ★Sound Output at 10cm (dB) | Rated Frequency (Hz) | Operating Temperature (°C) | Storage Temperature (°C) | Housing Material | Weight (g) |
|----------|-------------------|-----------------------|---------------------|---------------------|---------------------|----------------------------|----------------------|----------------------------|--------------------------|------------------|------------|
| HC12G-1P | 1.5               | 1 ~ 5                 | ≤30                 | 16 ± 2              | 40                  | ≥85                        | 2048                 | -25 ~ +70                  | -30 ~ +85                | Noryl SE1        | 2          |
| HC12G-2P | 1.5               | 1 ~ 5                 | ≤15                 | 42 ± 6              | 120                 | ≥80                        | 2048                 | -25 ~ +70                  | -30 ~ +85                | Noryl SE1        | 2          |
| HC12G-3P | 1.5               | 1 ~ 5                 | ≤15                 | 50 ± 6              | 120                 | ≥80                        | 2048                 | -25 ~ +70                  | -30 ~ +85                | Noryl SE1        | 2          |

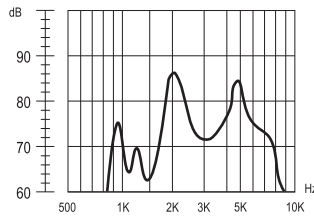
★ Value Applying Rated Voltage, Rated Frequency, 50% Duty Square Wave

⊕ Value Applying Rated Frequency, Sine Wave, Measuring Current 60μA

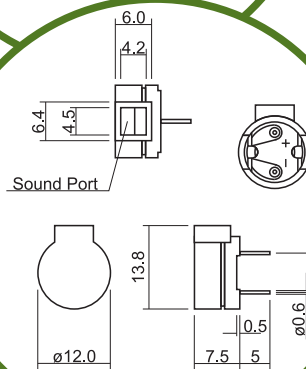
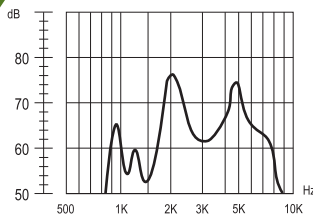
### HC12G-04B Series



### HC12G-04A Series



### HC12G-04C Series



## HC12G-04 Series



### Frequency Response

Applied Voltage : 1.5V, 50% Duty Square Wave  
Measuring Distance : 10cm

### Dimension

Unit: mm  
Tolerance : 0.3mm

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

| Model     | Rated Voltage (V) | Operating Voltage (V) | ★Rated Current (mA) | Coil Resistance (Ω) | ⊕Coil Impedance (Ω) | ★Sound Output at 10cm (dB) | Rated Frequency (Hz) | Operating Temperature (°C) | Storage Temperature (°C) | Housing Material | Weight (g) |
|-----------|-------------------|-----------------------|---------------------|---------------------|---------------------|----------------------------|----------------------|----------------------------|--------------------------|------------------|------------|
| HC12G-04A | 1.5               | 1 ~ 2                 | ≤70                 | 6.5 ± 1             | 16                  | ≥80                        | 2048                 | -25 ~ +70                  | -30 ~ +85                | Noryl SE1        | 2          |
| HC12G-04B | 1.5               | 1 ~ 2                 | ≤70                 | 6.5 ± 1             | 22                  | ≥85                        | 2731                 | -25 ~ +70                  | -30 ~ +85                | Noryl SE1        | 2          |
| HC12G-04C | 1.5               | 1 ~ 2                 | ≤15                 | 42 ± 6              | 120                 | ≥70                        | 2048                 | -25 ~ +70                  | -30 ~ +85                | Noryl SE1        | 2          |

★ Value Applying Rated Voltage, Rated Frequency, 50% Duty Square Wave

⊕ Value Applying Rated Frequency, Sine Wave, Measuring Current 60μA