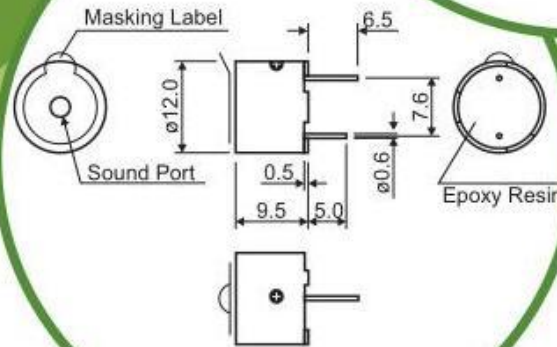


# Electro-Magnetic Sound Generators

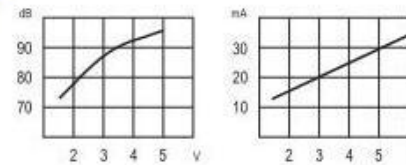
## HCM12X Series



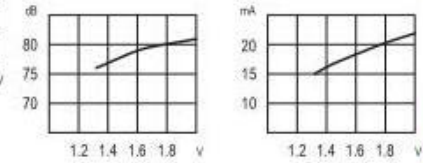
### Dimension

Unit : mm  
Tolerance : ±0.3mm

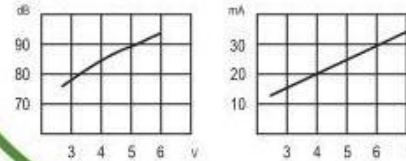
### HCM1203X



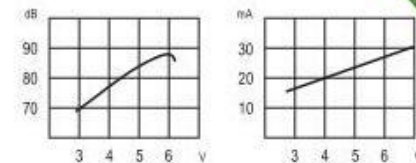
### HCM1201X



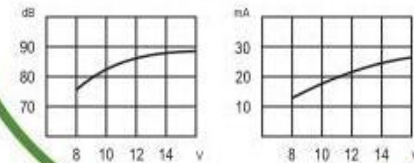
### HCM1205X



### HCM1206X



### HCM1212X



### Characteristics Response

Measuring Temperature : 25°C  
Measuring Distance : 10cm

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

| Model    | Rated Voltage (VDC) | Operating Voltage (VDC) | ★Rated Current (mA) | ★Sound Output at 10cm (dB) | ★Generated Frequency (Hz) | Operating Temperature (°C) | Storage Temperature (°C) | Weight (g) |
|----------|---------------------|-------------------------|---------------------|----------------------------|---------------------------|----------------------------|--------------------------|------------|
| HCM1201X | 1.5                 | 1.3 ~ 2                 | ≤ 20                | ≥ 75                       | 2300 ± 300                | -40 ~ +85                  | -40 ~ +85                | 2          |
| HCM1203X | 3                   | 2 ~ 5                   |                     |                            |                           |                            |                          |            |
| HCM1205X | 5                   | 3 ~ 7                   | ≤ 30                | ≥ 85                       |                           |                            |                          |            |
| HCM1206X | 6                   | 4 ~ 7                   |                     |                            |                           |                            |                          |            |
| HCM1212X | 12                  | 8 ~ 15                  |                     |                            |                           |                            |                          |            |

★ Value Applying Rated Voltage, DC