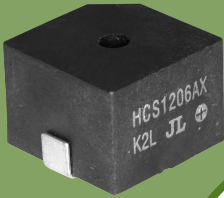


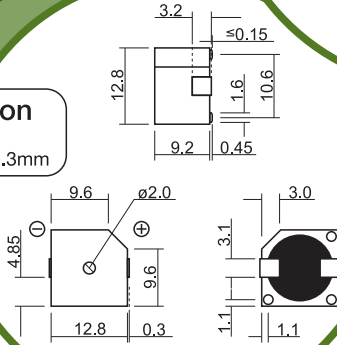
# SoniCrest Electro-Magnetic Sound Generators

## HCS12AX Series

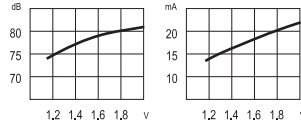


### Dimension

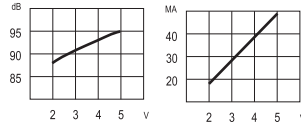
Unit: mm  
Tolerance : 0.3mm



### HCS1201AX



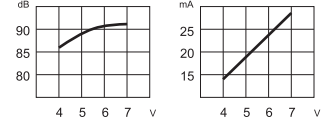
### HCS1203AX



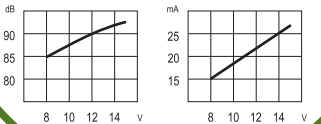
### Characteristics Response

Measuring Temperature : 25°C  
Measuring Distance : 10cm

### HCS1206AX



### HCS1212AX

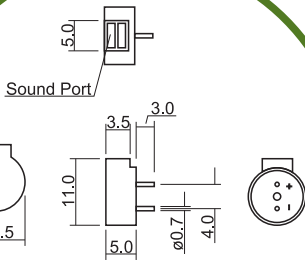
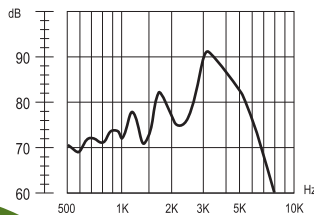


### Specification (all data taken at 25°C unless otherwise specified)

Model	Rated Voltage (V)	Operating Voltage (V)	★Rated Current (mA)	★Sound Output at 10cm (dB)	★Generated Frequency (Hz)	Operating Temperature (°C)	Storage Temperature (°C)	Housing Material	Weight (g)
HCS1201AX	1.5	1.3 ~ 2	≤20	≥75	2300 ± 300	-40 ~ +85	-40 ~ +85	PPS	3.5
HCS1203AX	3	2 ~ 5	≤30	≥85	2300 ± 300	-40 ~ +85	-40 ~ +85	PPS	3.5
HCS1206AX	6	4 ~ 8	≤30	≥85	2300 ± 300	-40 ~ +85	-40 ~ +85	PPS	3.5
HCS1212AX	12	8 ~ 15	≤30	≥85	2300 ± 300	-40 ~ +85	-40 ~ +85	PPS	3.5

★ Value Applying Rated Voltage, DC

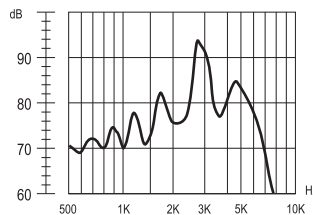
### HC09A Series



### Dimension

Unit: mm  
Tolerance : 0.3mm

### HC09C Series



### Frequency Response

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

## HC09A,C Series



### 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)
HC0901A	1.5	1 ~ 2	≤80	5.5 ± 1	10	≥80	3200	-20 ~ +60	-30 ~ +70	Noryl SE1	1
HC0903A	3	2 ~ 5	≤80	25 ± 4	40	≥82	3200	-20 ~ +60	-30 ~ +70	Noryl SE1	1
HC0905A	5	4 ~ 7	≤80	40 ± 4	55	≥85	3200	-20 ~ +60	-30 ~ +70	Noryl SE1	1
HC0901C	1.5	1 ~ 2	≤80	5.5 ± 1	10	≥80	2731	-20 ~ +60	-30 ~ +70	Noryl SE1	1
HC0903C	3	2 ~ 5	≤80	25 ± 4	40	≥82	2731	-20 ~ +60	-30 ~ +70	Noryl SE1	1
HC0905C	5	4 ~ 7	≤80	40 ± 4	55	≥85	2731	-20 ~ +60	-30 ~ +70	Noryl SE1	1

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

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