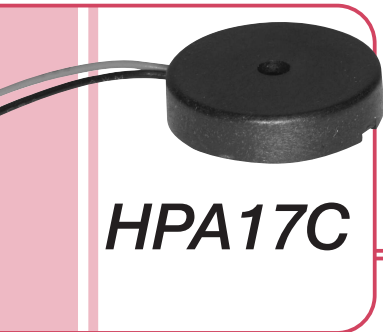


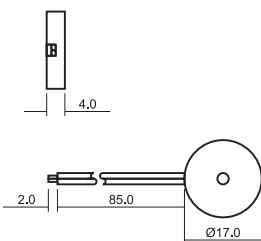
SoniCrest PIEZO SOUND GENERATORS



HPA17C

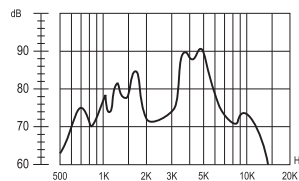
Dimension

Unit: mm
Tolerance : 0.3mm



Frequency Response

Applied Voltage : 9Vp-p 50% Duty Square Wave
Measuring Distance : 10cm



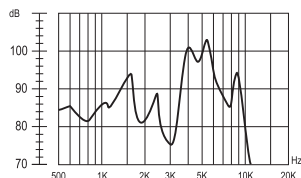
Specification (all data taken at 25°C unless otherwise specified)

HPA17C	Rated Voltage (Vp-p)	Operating Voltage (Vp-p)	★Rated Current (mA)	★Sound Output at 10cm (dB)	Rated Frequency (Hz)	Capacitance (nF)	Operating Temperature (°C)	Storage Temperature (°C)	Weight (g)
	9	1 ~ 30	≤4	≥80	4000	12 ± 30%	-20 ~ +70	-30 ~ +80	1

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

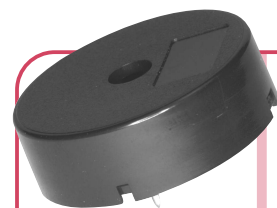
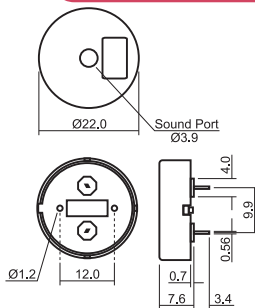
Frequency Response

Applied Voltage : 10Vp-p, 50% Duty Square Wave
Measuring Distance : 10cm



Dimension

Unit: mm
Tolerance : 0.3mm



HPA22D

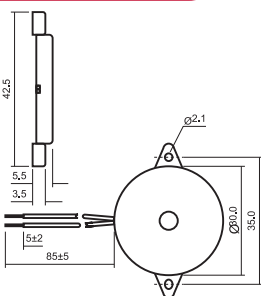
Specification (all data taken at 25°C unless otherwise specified)

HPA22D	Rated Voltage (Vp-p)	Operating Voltage (Vp-p)	★Rated Current (mA)	★Sound Output at 10cm (dB)	Rated Frequency (Hz)	Capacitance (nF)	Operating Temperature (°C)	Storage Temperature (°C)	Weight (g)
	10	1 ~ 30	≤4	≥90	4000	11 ± 30%	-20 ~ +105	-30 ~ +105	2.5

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

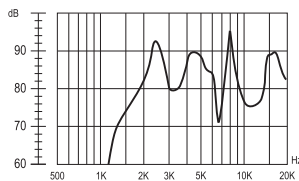
Dimension

Unit: mm
Tolerance : 0.3mm



Frequency Response

Applied Voltage : 3Vrms, Sine Wave
Measuring Distance : 10cm



HPA30B

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

HPA30B	Rated Voltage (Vrms)	Operating Voltage (Vrms)	★Rated Current (mA)	★Sound Output at 10cm (dB)	Rated Frequency (Hz)	Capacitance (nF)	Operating Temperature (°C)	Storage Temperature (°C)	Weight (g)
	3	3 ~ 30	≤4	≥85	2500 ± 500	50 ± 30%	-20 ~ +70	-30 ~ +80	1

★ Value Applying Rated Voltage, Rated Frequency, Sine Wave