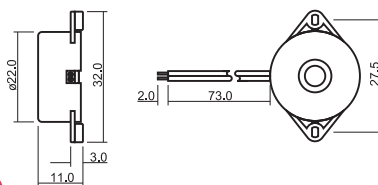


SoniCrest PIEZO SOUND GENERATORS



Dimension

Unit: mm
Tolerance : 0.3mm

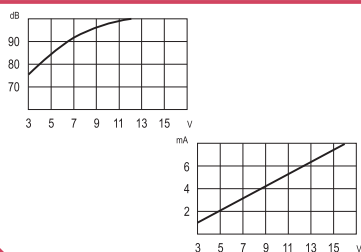
Specification (all data taken at 25°C unless otherwise specified)

HPA22AX	Rated Voltage (V)	Operating Voltage (V)	★Rated Current (mA)	★Sound Output at 30cm (dB)	★Generated Frequency (Hz)	Operating Temperature (°C)	Storage Temperature (°C)	Weight (g)
	12	3 ~ 28	≤8	≥85	4500 ± 500	-20 ~ +70	-30 ~ +80	4

★ Value Applying Rated Voltage, DC

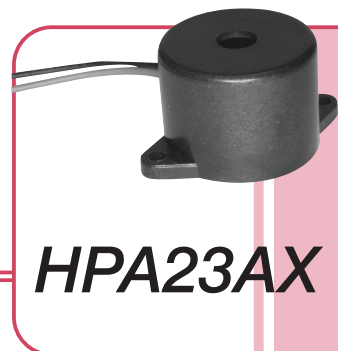
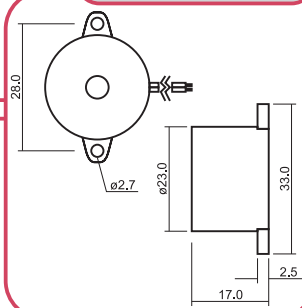
Characteristics Response

Measuring Temperature : 25°C
Measuring Distance : 30cm



Dimension

Unit: mm
Tolerance : 0,3mm



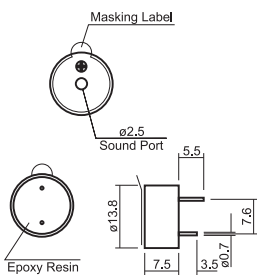
Specification (all data taken at 25°C unless otherwise specified)

HPA23AX	Rated Voltage (V)	Operating Voltage (V)	★Rated Current (mA)	★Sound Output at 30cm (dB)	★Generated Frequency (Hz)	Operating Temperature (°C)	Storage Temperature (°C)	Weight (g)
	12	3 ~ 16	≤8	≥90	3700 ± 500	-20 ~ + 60	-30 ~ +70	4.5

★ Value Applying Rated Voltage, DC

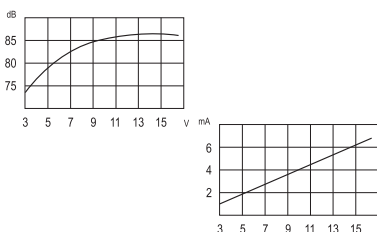
Dimension

Unit: mm
Tolerance : 0.3mm



Characteristics Response

Measuring Temperature : 25°C
Measuring Distance : 10cm



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

HPM14AX	Rated Voltage (V)	Operating Voltage (V)	★Rated Current (mA)	★Sound Output at 10cm (dB)	★Generated Frequency (Hz)	Operating Temperature (°C)	Storage Temperature (°C)	Weight (g)
	12	3 ~ 16	≤7	≥80	4000 ± 500	-20 ~ +70	-30 ~ +80	1

★ Value Applying Rated Voltage, DC