

# SoniCrest

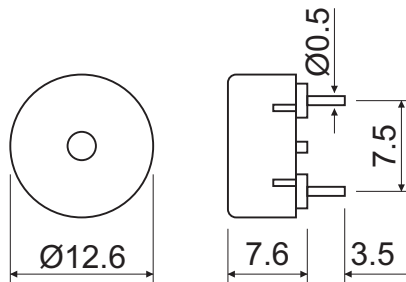
## PIEZO SOUND GENERATORS



*HPA13A*

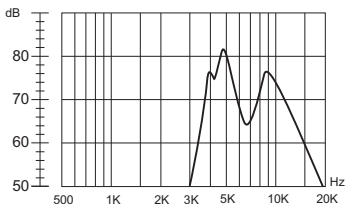
### Dimension

Unit : mm  
Tolerance :  $\pm 0.3\text{mm}$



### Frequency Response

Applied Voltage : 3Vp-p, 50% Duty Square Wave  
Measuring Distance : 10cm



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

HPA13A	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)
	3	1 ~ 30	≤ 1	≥ 75	4000 ± 500	11 ± 30%	-40 ~ +85	-40 ~ +85	1

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