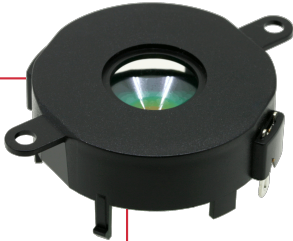


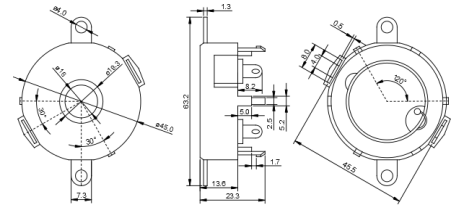
# SoniCrest PIEZO SOUND GENERATORS



## HPA45A

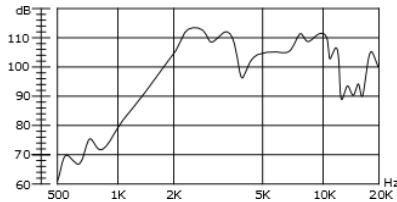
### Dimensions

Unit : mm  
Tolerance :  $\pm 0.3$ mm



### Frequency Response

Applied Voltage : 12Vp-p, Sine Wave  
Measuring Distance : 30cm



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

HPA45A	Rated Voltage (Vp-p)	Maximum Voltage (Vp-p)	Capacitance (nF)	*Sound Pressure Level at 30cm (dB)	Frequency Range (Hz)	Operating Temperature (°C)	Storage Temperature (°C)
	12	40	240 $\pm$ 30%	$\geq 100$	2200 ~ 4000	-40 ~ +60	-40 ~ +60

\*Value Applying Rated Voltage, 3200Hz, Sine Wave