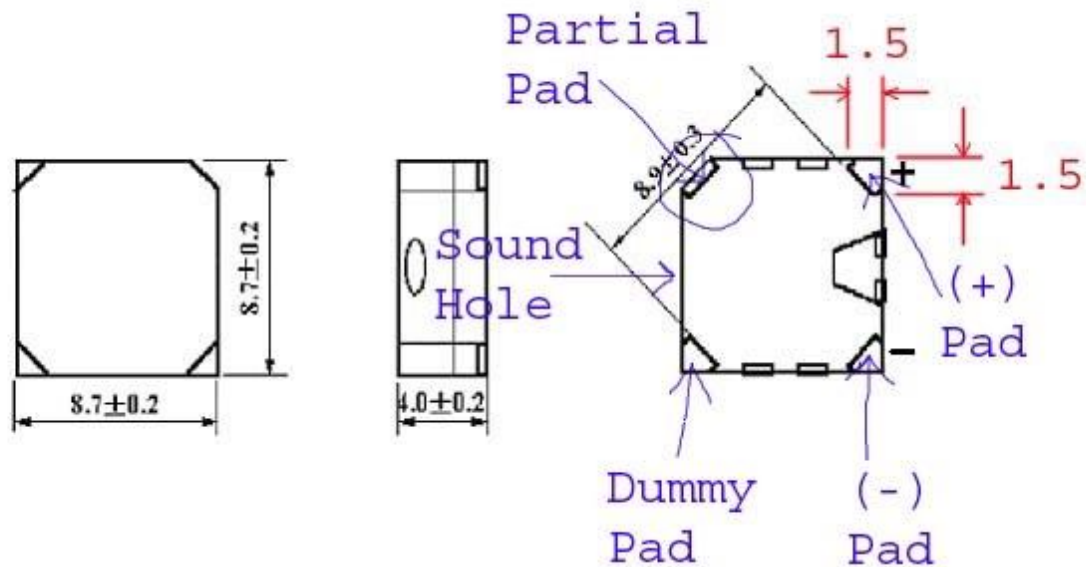


Specifications:

Oscillation Frequency (Hz)	2730
Operating Voltage (Vp-p/max)	2.0 ~ 4.0
Rated Voltage (Vp-p)	3.0
Current Consumption Max. (mA)	80 at Rated Voltage
Sound Pressure Level Min. (dB/min)	85 at 10cm at Rated Voltage
Coil Resistance (Ω)	15 ± 2
Operating Temperature ($^{\circ}\text{C}$)	-20 ~ +70
Storage Temperature ($^{\circ}\text{C}$)	-30 ~ +80
Housing	LCP plastic resin (Color : Black)
Type of Connection	SMD
Condition by reflow soldering ($^{\circ}\text{C}$)	$245 \pm 5 / 1 \text{ min}$
Condition by hand soldering ($^{\circ}\text{C}$)	$350 \pm 20 / \text{within } 5 \text{ sec}$
Weight (g)	0.6
Options	For other options contact factory

RoHS Compliant**Dimensions:** (units: mm)

* Dummy pad and Partial Pad are connected internally and are intended to only be used to help secure the part to the circuit board.

* Units do not come with wash label and are not appropriate for aqueous wash.

Direct Drive Transducer Operation:

Direct drive transducer devices do not have any included DC circuitry, so the user must apply a sine or square wave with the appropriate rated frequency. A square wave will typically result in more sound level than a sine wave. The higher the peak-to-peak voltage applied (up to the maximum rated voltage), the higher the resulting sound level.

Frequency Response:

