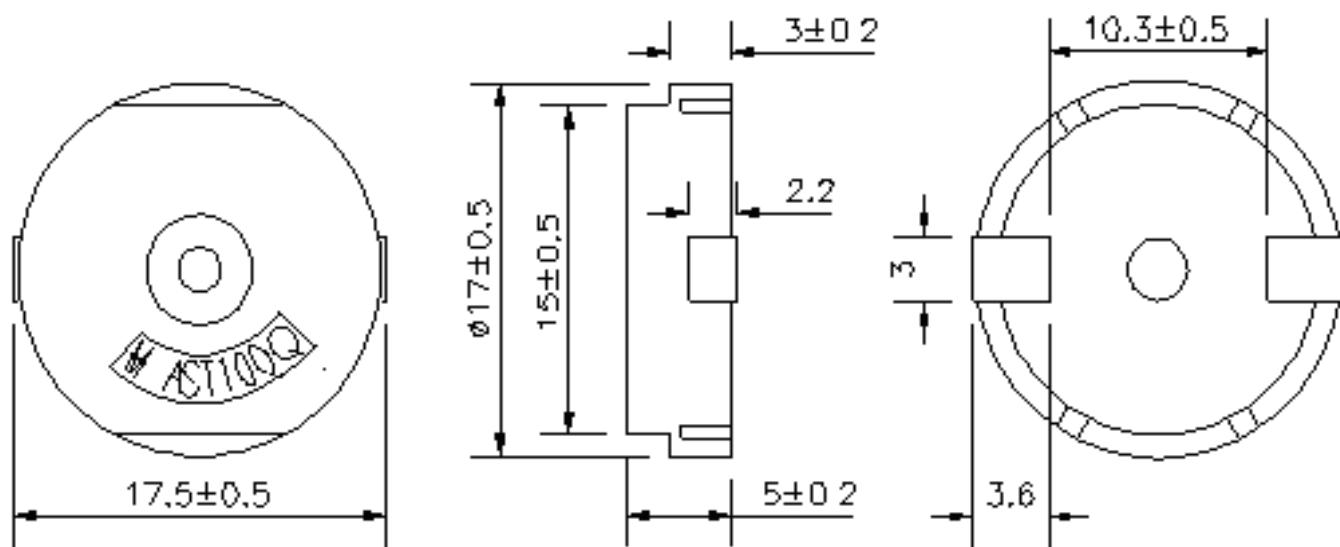


**MALLORY****Mallory Sonalert Products Inc.****Part # AST100Q****Sales Outline Drawing****Revision D****Specifications:**

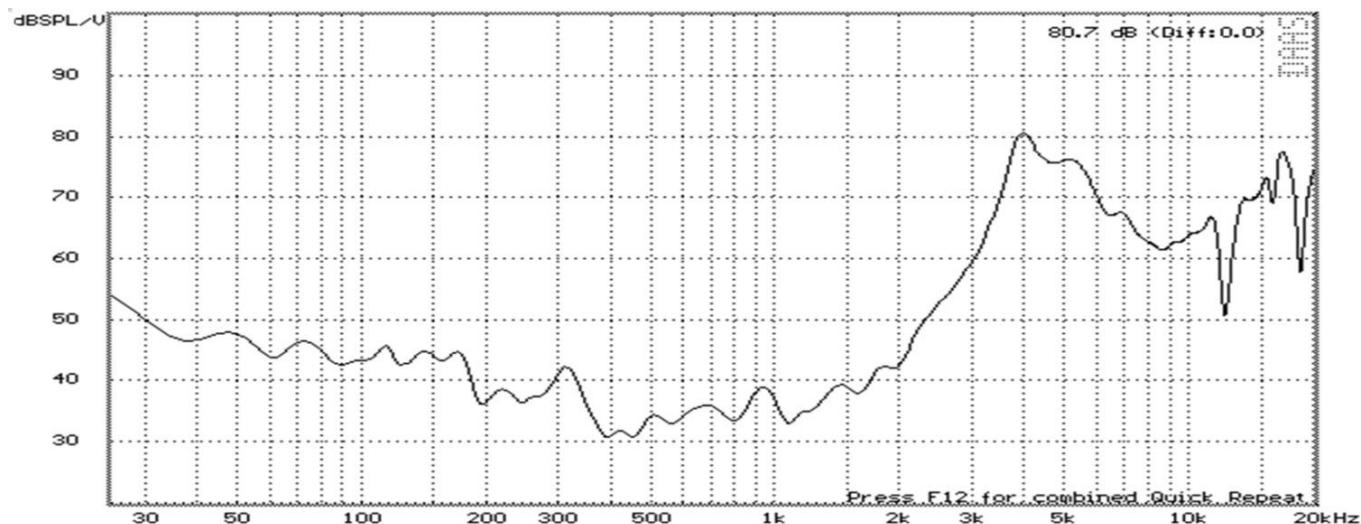
Oscillation Frequency (Hz)	4000 $\pm$ 500
Operating Voltage (Vp-p/max)	15
Rated Voltage (Vp-p)	5.0
Current Consumption Max. (mA)	1.5 at Rated Voltage
Sound Pressure Level Min. (dB/min)	80 at 10cm at 5V Square Wave
Capacitance (pF)	10000 $\pm$ 30%
Soldering Condition	250 °C/15 sec (max)
Operating Temperature (°C)	-20 ~ +70
Storage Temperature (°C)	-40 ~ +85
Housing	PPS plastic resin (Color: Brown)
Type of Connection	SMD
Condition by reflow soldering (°C)	245 $\pm$ 5 / 1 min
Condition by hand soldering (°C)	350 $\pm$ 20 / within 5 sec
Weight (g)	1.4
Options	For other options contact factory

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

\* 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:**

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