

Excellent Integrated System Limited

Stocking Distributor

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[Mallory Sonalet Products](#)

[AST1440MAQ](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

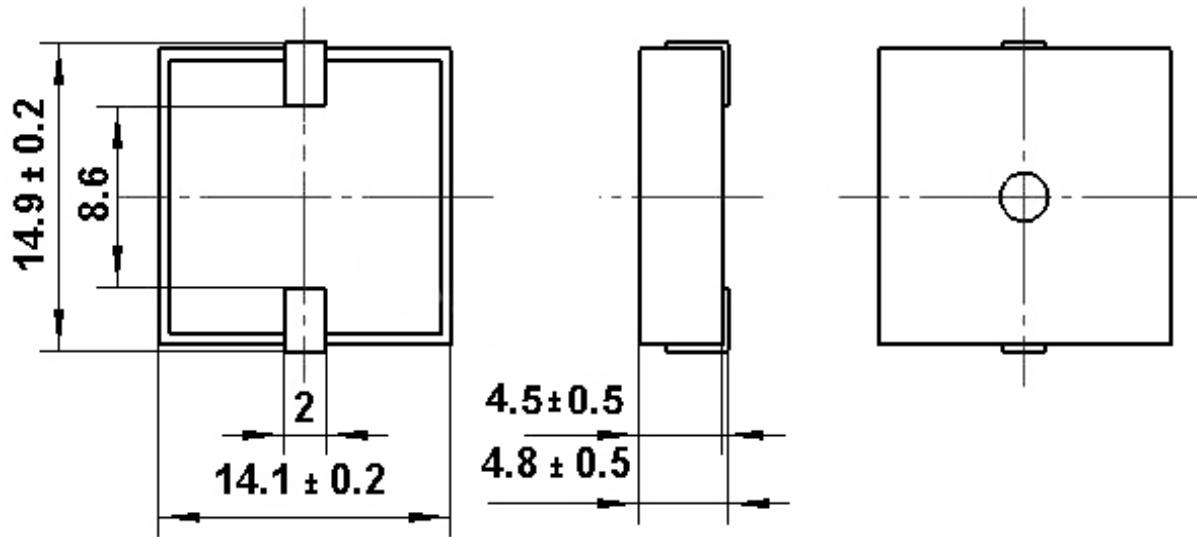
MALLORY Mallory Sonalert Products Inc.	Part #	AST1440MAQ
Sales Outline Drawing	Revision	D

Specifications:

Oscillation Frequency (Hz)	4000 \pm 500
Operating Voltage (Vp-p)	20
Rated Voltage (Vp-p)	5.0
Current Consumption Max. (mA)	2 at Rated Voltage
Sound Pressure Level (dB/min)	75 at 10cm at Rated Voltage
Capacitance (pF)	12,000 \pm 30% at 120 Hz
Operating Temperature (°C)	-30 ~ +70
Storage Temperature (°C)	-40 ~ +80
Type of Connection Terminal	SMD
Housing	PPS plastic resin (Color : Black)
Weight (Grams)	1.2
Condition by reflow soldering (°C)	245 \pm 5 / 1 min
Condition by hand soldering (°C)	350 \pm 20 / within 5 sec
Options	For other options contact factory

Dimensions: (units: mm)

RoHS Compliant



Packaging:

Parts are supplied on Cut-Tape,
 Units do not come with wash label and are not appropriate for aqueous wash.

**AST1440MAQ & AST1440MATRQ**

MALLORY SONALERT PRODUCTS, INC.

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: