

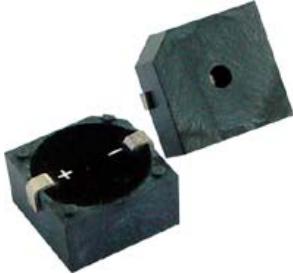
Description

Chinasound SMD Piezo Buzzer 14.3(<15mm) length, type A(=14.3mm width,8.0mm height), 24VDC rated voltage – 4.0KHz resonant frequency – lead Free reflowing solderable and RoHS compliant

◆ RoHS compliant

- ◆ Reliable Solid State Piezoelectric Technology
- ◆ Corrosion Resistance Diaphragm
- ◆ Flame Retardant Plastic UL 94-V0

Picture



Characteristics



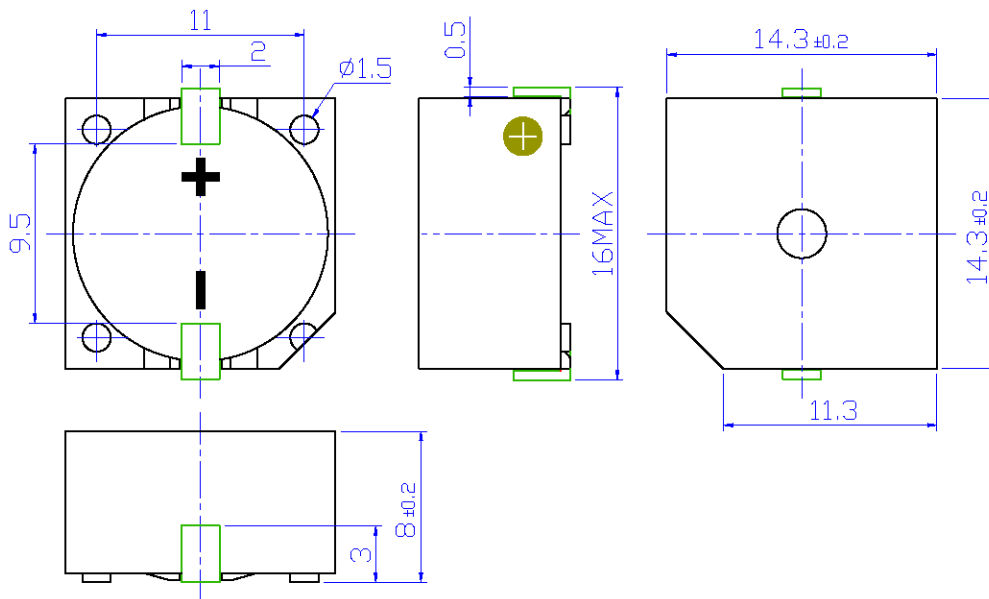
Specification

Rated Voltage	24 VDC
Operating Voltage	7~28VDC
Operating Frequency	4000+/-500Hz
Typical Sound Output	90dB min. at 24VDC 10cm 25 °C
Typ. Operating Current	8mA max. at 24VDC 25 °C
Operating Temperature	-40 °C to +85 °C
Storage Temperature	-40 °C to +90 °C
Termination	2 soldering pads, Sn plated Brass
Construction Materials	Case: Plastic, LCP Vectra E130i made by Polyplastics, UL 94-V0 (UL No.:E106764) Diaphragm: Ni Alloy Disc N42
Weight (Typical)	1.6g
Reliability	<p>*Life Test: At 24VDC in room temperature continuously for 1000 hours</p> <p>*High Temperature: No function at +90+/-2 °C for 240 hours; Function at +85+/-2 °C for 240 hours</p> <p>*Low Temperature: No function at -40+/-2 °C for 240 hours; Function at -30+/-2 °C for 240 hours</p> <p>*Humidity: +40+/-2 °C, 95+/-5%RH, 240 hours</p> <p>*Thermal Shock: -40+/-2 °C 0.5 hr → +25+/-2 °C 0.25 hr → +85+/-2 °C 0.5 hr → +25+/-2 °C 0.25 hr. Temperature Go up or Drop time is 0.5 hr. 3 hrs per 1 cycle. Total is 5 cycles</p> <p>*Vibration: 1.5mm with 10 to 50Hz of vibration frequency to each of 3 perpendicular directions for 2 hours</p> <p>*Shock: 980m/s² (=100g) shock for each mutually perpendicular directions, half sine wave, 3 times each</p> <p>*Drop Test: Dropped naturally from 750mm height onto the surface of 10mm wooden board. 2 directions – upper and side of the part are applied</p> <p>*Soldering Heat Resistance: Samples put through reflowing soldering oven 2 twice</p> <p>**Solderability: Samples put on PCB with solder paste through reflowing soldering oven 1 times</p>

Warranty

*All specifications must be satisfied after the test (Recovery:2 to 4 hrs of recovery under the standard condition after the removal from test chamber).
**90% min. soldering pads shall be with solder.(except the edge of pad)

Dimensions (Unit:mm)



All specifications are subject to change without notice

Revision History

Version Number	Description	Name
080519	Original, CSPB15A24-4.0F	Guo Jun
090624	Update recommend reflowing profile as per J-STD-020D	Guo Jun