

Description

Chinasound Piezo Buzzer 13.8(<14mm) diameter, type C(=7.3mm max. height), 12VDC rated voltage – 4.3KHz resonant frequency, RoHS compliant

CPB14C12-4.3-1R: washable version

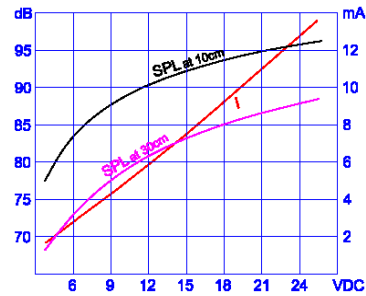
◆ **RoHS compliant**

- ◆ Reliable Solid State Piezoelectric Technology
- ◆ Corrosion Resistance Diaphragm
- ◆ Flame Retardant Plastic
- ◆ Washable when sound hold sealed with label

Picture



Characteristics



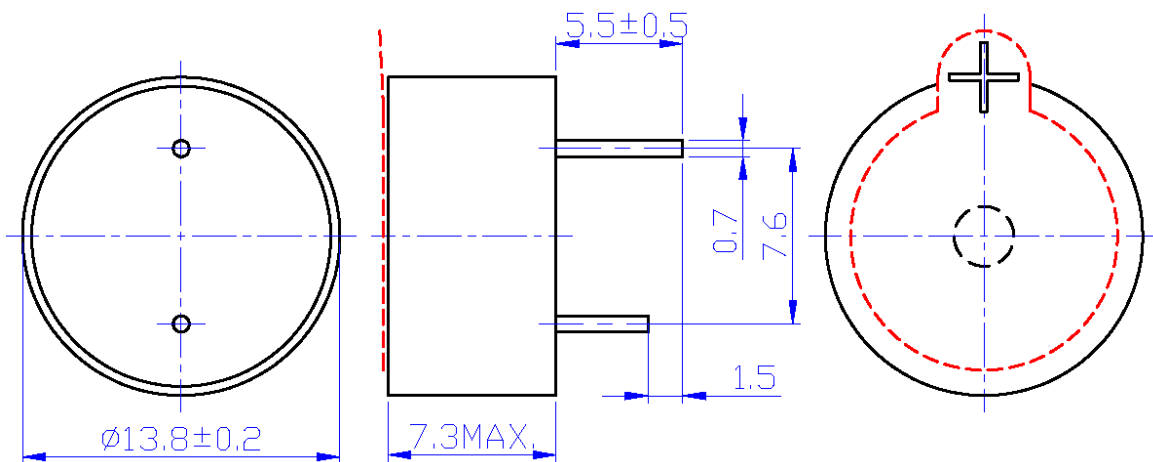
Specification

Rated Voltage	12 VDC
Operating Voltage	3-16VDC
Operating Frequency	4300 ± 500Hz
Typical Sound Output	85dB min. at 12VDC 10cm 25 °C
Typ. Operating Current	8mA max. at 12VDC
Operating Temperature	-40 °C to +85 °C
Storage Temperature	-40 °C to +90 °C
Termination	Description 2 pins, Sn plated Brass
Construction Materials	Case Plastic, Noryl PX9406 (Black)
	Diaphragm Ni Alloy Disc N42
Weight (Typical)	0.75g
Reliability	At 12VDC in room temperature continuously for 1000 hours
	*Life Test No function at +90+/-2 °C for 240 hours; Function at +85+/-2 °C for 240 hours
	*High Temperature No function at -40+/-2 °C for 240 hours; Function at -40+/-2 °C for 240 hours
	*Low Temperature +60 +/-2 °C, 90-95%RH, 120 hours
	*Humidity -40+/-2 °C 1 hr → +20 +/-2 °C 5 min. → +85+/-2 °C 1 hr → +20+/-2 °C 5 min. 5 cycles
	*Thermal Shock 1.5mm with 10 to 50Hz of vibration frequency to each of 3 perpendicular directions for 2 hours
	*Vibration 980m/s ² (=100g) shock for each mutually perpendicular directions, half sine wave, 3 times each
	*Shock Dropped naturally from 700mm height onto the surface of 10mm wooden board. 2 directions – upper and side of the part are applied
	*Drop Test Pins are immersed up to 1.5mm from sounder's body in solder bath of 350+/-5 °C for 3+/-0.5 seconds or 260+/-5 °C for 10+/-1 seconds
	*Soldering Heat Resistance Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of 350+/-5 °C for 3+/-0.5 seconds.
	**Solderability

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, Tolerance: +/-0.3mm)



CPB14C12-4.3R: without label CPB14C12-4.3-1R: washable version with label

All specifications are subject to change without notice

Composed by: Guo J/050807 Checked by: Gong YS, Zhu YC/050807 Approved by: Wang Z/050807



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Revisions History

Version Number	Description	Name
050807	Original, CPB14C12-4.3R	Guo Jun

Composed by: Guo J/050807 Checked by: Gong YS, Zhu YC/050807 Approved by: Wang Z/050807

ChinaSound

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