CPA26D12-3.2R

## Description

Chinasound Piezo Alarm $\mathbf{2 6} \mathrm{mm}$ diameter, type $\boldsymbol{D}(=16 \mathrm{~mm}$ height), $\mathbf{1 2} \mathrm{VDC}$ rated voltage $\mathbf{- 3 . 2 \mathrm { KHz }}$ resonant frequency - $\boldsymbol{R}$ oHS compliant

## Picture



Specification
Rated Voltage
Operating Voltage
Operating Frequency
Typical Sound Output
Typ. Operating Current Operating Temperature Storage Temperature Termination Construction Materials

Weight (Typical)
Reliability
Reliability


Description
Case
Diaphragm
*Life Test
*High Temperature
*Low Temperature
*Humidity
*Thermal Shock
*Vibration
*Shock
*Drop Test
*Soldering Heat Resistance **Solderability

- RoHS compliant
- Reliable Solid State Piezoelectric Technology
- Corrosion Resistance Diaphragm
- Flame Retardant Plastic
- Contains Lead zirconium titanium oxide (CAS 12626-81-2) more than 0.1\%
- IP67


## Characteristics



12VDC
5~30VDC
$3,200+/-500 \mathrm{~Hz}$
$85+/-5 \mathrm{~dB}$ min. at $12 \mathrm{VDC} 30 \mathrm{~cm} 25^{\circ} \mathrm{C}$
20 mA max. at 12 VDC
$-30^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$
$-40^{\circ} \mathrm{C}$ to $+90^{\circ} \mathrm{C}$
2 pins, Sn plated Brass
Plastic,PPS
Satinless Steel Disc 304
7 g
At 12VDC in room temperature continuously for 1000 hours
No function at $+90+/-2^{\circ} \mathrm{C}$ for 240 hours; Function at $+85+/-2^{\circ} \mathrm{C}$ for 240 hours No function at $-40+1-2{ }^{\circ} \mathrm{C}$ for 240 hours; Function at $-30+1-2^{\circ} \mathrm{C}$ for 240 hours $+40+/-2^{\circ} \mathrm{C}, 95+/-5 \% \mathrm{RH}, 240$ hours
$-40+/-2^{\circ} \mathrm{C} 0.5 \mathrm{hr} \rightarrow+25+/-2^{\circ} \mathrm{C} 0.25 \mathrm{hr} \rightarrow+85+/-2^{\circ} \mathrm{C} 0.5 \mathrm{hr} \rightarrow+25+/-2^{\circ} \mathrm{C} 0.25 \mathrm{hr}$. Temperature Go up or Drop time is 0.5 hr . 3 hrs per 1 cycle. Total is 5 cycles
1.5 mm with 10 to 50 Hz of vibration frequency to each of 3 perpendicular directions for 2 hours $980 \mathrm{~m} / \mathrm{s}^{2}(=100 \mathrm{~g})$ shock for each mutually perpendicular directions, half sine wave, 3 times each Dropped naturally from 750 mm height onto the surface of 10 mm wooden board. 2 directions upper and side of the part are applied
Samples put through reflowing soldering oven 2 twice
Samples put on PCB with solder paste through reflowing soldering oven 1 times For a period of one (1) year from date of manufacture under normal operations

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: $+/-0.5 \mathrm{~mm}$ )


CHANGZHOU CHINASOUND ELECTRONICS CO., LTD.

## Revision History

| Version Number | Description | Name | Date |
| :--- | :--- | :---: | :---: |
| SP1.12.210-preleminary | Original, CPA26D12-3.2R | Cady Li | $2019-05-22$ |
| SP1.12.210-A0 | Update picture and Characteristics drawing | Cady Li | $2019-07-23$ |

