

Description

Chinasound Piezo Transducer 35 mm diameter, type A (=1.7 mm height), 03 Vp-p rated voltage – 1.1 KHz resonant frequency – Wire length 100mm, RoHS compliant

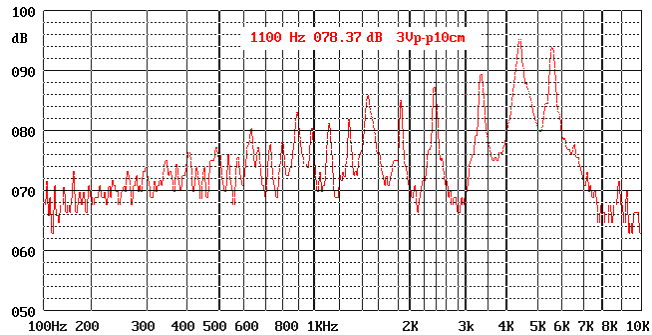
◆ RoHS compliant

◆ Reliable Solid State Piezoelectric Technology

Picture



Frequency Response Curve



Specification

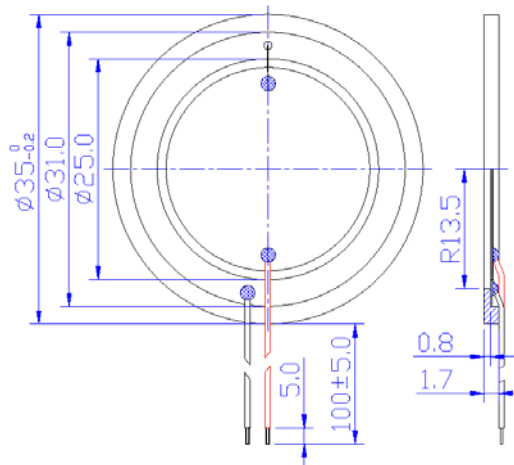
- Rated Voltage
- Operating Voltage
- Operating Frequency
- Typical Sound Output
- Rated Current
- Capacitance
- Operating Temp.
- Storage Temperature
- Termination

3 Vp-p square wave
 1 ~ 30 Vp-p
 1,100+/-500Hz
 68 dB min. at 3 Vp-p 10cm 1.1 KHz 25°C
 1 mA max. at 3 Vp-p 1.1 KHz 25°C
 80,000+/-30% pF at 100Hz 1Vrms
 -20°C to +60°C
 -30°C to +70°C
Description
 2Wires, UL1571 AWG28#, Red (+) Black (-)
Termination Strength
 Maximum of 5N load pull test on metal disc soldering point and 3N load pull test on ceramic disc soldering point, applied to each terminal in axial direction for 10 seconds
Construction Materials
 Case Plastic, ABS
 Diaphragm Brass Disc
 Weight (Typical) 2.3 g
Reliability
 *Life Test At 3.0 Vp-p, 1 minutes ON 1 minutes OFF in room temperature continuously for 1000 hours
 *High Temperature No function at +70+/-2°C for 240 hours; Function at +60+/-2°C for 240 hours
 *Low Temperature No function at -30+/-2°C for 240 hours; Function at -20+/-2°C for 240 hours
 *Humidity +40+/-2°C, 95+/-5%RH, 240 hours
 *Thermal Shock -20+/-2°C 0.5 hr → +25+/-2°C 0.25 hr → +60+/-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
 *Vibration 1.5mm with 10 to 50Hz of vibration frequency to each of 3 perpendicular directions for 2 hours
 *Shock 980m/s²(=100g) shock for each mutually perpendicular directions, half sine wave, 3 times each
 *Drop Test Dropped naturally from 750mm height onto the surface of 10mm wooden board. 2 directions – upper and side of the part are applied
 *Soldering Heat Resistance Wires 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
 **Solderability Wires are immersed in rosin for 5 seconds and then immersed in solder bath of 350+/-5°C for 3+/-0.5 seconds.

Warranty

For a period of one (1) year from date of manufacture under normal operations
 * 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 wire)

Dimensions (Unit:mm)



All specifications are subject to change without notice

Composed by: Guo J/061225 Checked by: Gao CL, Gong YS, Zhu YC/061225 Approved by: Wang Z/061225



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Revision History

Version Number	Description	Name
041004	Original version, CPT35B03-1.1-W100	Guo Jun
061225	Switched to RoHS compliant version, CPT35B03-1.1-W100R	Guo Jun

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