

Description

CPB40A09-2.8R:

Challenge Piezo Buzzer 40mm diameter, type A (=20mm height), 9VDC rated voltage – 2.8KHz resonant frequency – RoHS compliant

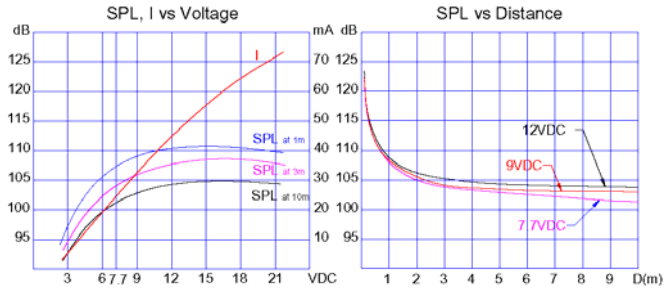
◆ **RoHS compliant**

- ◆ Reliable Solid State Piezoelectric Technology
- ◆ Flame Retardant Plastic
- ◆ Corrosion Resistance Diaphragm if required

Picture



Characteristics



Specification

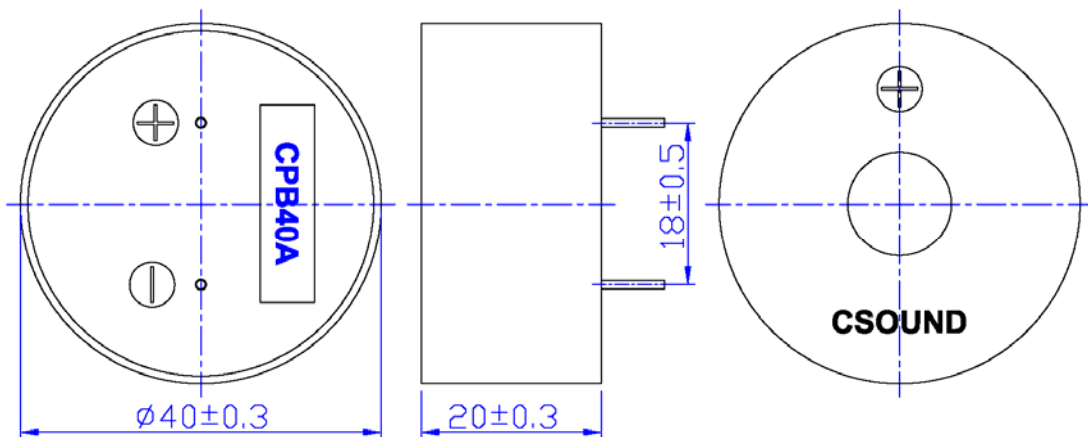
- Operating Mode
- Operating Voltage
- Operating Voltage
- Operating Frequency
- Sound Output
- Operating Current
- Operating Temperature
- Storage Temperature
- Termination
- Construction Materials
- Weight (Typical)
- Reliability

- Description
- Termination Strength
- Case
- Diaphragm
- Life Test
- *High Temperature
- *Low Temperature
- Humidity
- Thermal Shock
- Vibration
- Shock
- Drop Test

Continuous Tone
 9 Vdc
 3 to 20 Vdc
 2800+/-500Hz
 100dB min. at 9Vdc 100cm 25 °C
 50mA max. at 9Vdc
 -20 °C to +70 °C
 -30 °C to +80 °C
 2 PC pins, electro-tin plated brass
 Maximum of 9.8N load pull test
 Plastic, NORYL® PX9406 Black
 Satinless Steel Disc 304
 12.7g
 At rated voltage in room temperature, 1 cycle = 1 min. ON 4 min. OFF, continuously for 1000 hours
 No function at +80+/-2 °C for 240 hours; Function at +70+/-2 °C for 240 hours
 No function at -30+/-2 °C for 240 hours; Function at -20+/-2 °C for 240 hours
 +60 +/-2 °C, 90-95%RH, 120 hours
 -20+/-2 °C 1 hr → +20 +/-2 °C 5 min. → +70+/-2 °C 1 hr → +20+/-2 °C 5 min. 5 cycles
 1.5mm with 10 to 50Hz of vibration frequency to each of 3 perpendicular directions for 2 hours
 980m/s² (=100g) shock for each mutually perpendicular directions, half sine wave, 3 times each
 Dropped naturally from 700mm height onto the surface of 10mm wooden board. 2 directions – upper and side of the part are applied
 For a period of one (1) year from date of manufacture under normal operations

Warranty

Dimensions (Unit:mm, Tolerance: ±0.5mm)



All specifications are subject to change without notice.



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