

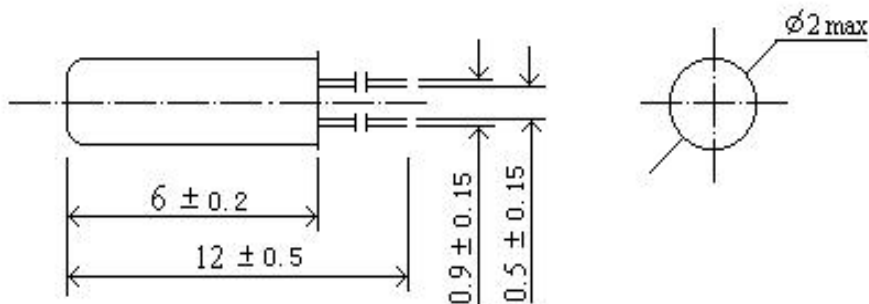


Victorlands Technical Specification

Product name	Quartz crystal unit
Model	2*6/32.768KHz
Product code	K4B32768L5Q2A2
Product parameters	12.5PF/±20PPM
Product reliability	P. 2
Packing form	P. 2



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|--|---|
| 1. Frequency: | 32.768 KHZ |
| 2. Holder Type: | $\Phi 2 \times 6$ |
| 3. Frequency Tolerance: | $\pm 20\text{ppm}$ at $25^{\circ}\text{C} \pm 3^{\circ}\text{C}$ |
| 4. Equivalent Series Resistance: | 50 K Ω Max |
| 5. Storage Temperature Range: | $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$ |
| 6. Operating Temperature Range: | $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$ |
| 7. Frequency Characteristics Over Temperatnre: | $\pm 20\text{ppm}$ $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$ |
| 8. Load Capacitance (CL): | 12.5 PF |
| 9. Drive Level: | 10 μ W |
| 10. Shunt Capacitance: | 5PF MAX |
| 11. Insulation Resistance: | $\geq 500\text{M}\Omega$ Min at 100 V |
| 12. Mode Of Oscillation: | Fundamental |
| 13. Aging: | $\pm 5\text{ppm/Year}$ |
| Marking description: | KYX32.768 |
| 14. Dimensions(mm): | |



单位：mm



15. Mechanical and environmental performance

1. Free Fall -LRB-impact: from the height of 35 cm free fall to 2 cm thick glue, plate, drop 3 times, drop crystal frequency difference can not exceed 5 ppm.
2. Vibration: frequency 10 ~ 55Hz, amplitude 0.75 mm, X y z direction vibration 30 minutes. Frequency variation $\leq \pm 20$ ppm.
3. Temperature Cycle: 2 ~ 3 min -10 °C After three cycles of + 60 ° C for 30 min and 30 min, the appearance was not damaged. Performance tests require identical vibration.
4. Solderability: put 235 ° C $\pm$ 5 ° C soldering from the end of lead to the bottom 2 ~ 3.0 mm, in the groove, time 2 $\pm$ 0.5 seconds, Tinning Surface & GT. 95% . Performance test requirements, same vibration.
5. Welding Heat Resistance: from the end of the lead to the bottom 2 ~ 2.5 mm into the 250 ° C $\pm$ 10 ° C welding groove, time 3.5 $\pm$ 0.5 seconds, after the test, appearance, no abnormal, performance testing requirements of the same vibration.
6. Low temperature resistance: at -25 ° C $\pm$ 3 ° C, placed for 2 hours, removed at normal and temperature recovery 2 hours, performance test with the vibration requirements.
7. High Temperature Resistance: at + 70 ° C $\pm$ 2 ° C, placed for 2 hours, removed at normal and temperature recovery 2 hours, performance test with the vibration requirements.
8. Constant damp heat: at 40 $\pm$ 3 ° C, RH93% $\pm$ 2% , placed for 48 hours, recovered 2 hours after removal, no abnormal appearance, performance test with vibration requirements.
9. High temperature aging: 120 ° C $\pm$ 2 ° C aging 48 hours, after removal of normal temperature recovery 2 hours. Frequency change $\leq \pm 5$ ppm, resistance change $\leq \pm 25k \Omega$.