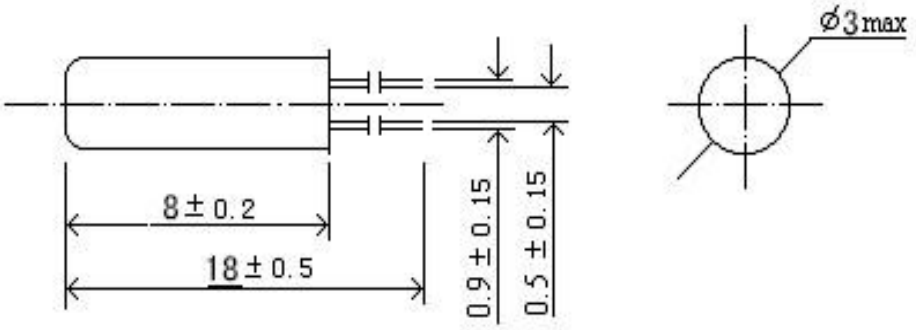
Victorlands **Technical Specification**

Product name	**Quartz crystal unit**
Model	**3*8/32.768KHz**
Product code	**K4C32768L5Q2A2**
Product parameters	12.5PF/±20PPM
Product reliability	P．2
Packing form	P．2

1. Frequency:	32.768 KHZ
2. Holder Type:	Φ3×8
3. Frequency Tolerance:	±**20**ppm at 25℃±3℃
4. Equivalent Series Resistance:	50 KΩ Max
5. Storage Temperature Range:	-20℃ ～ +70℃
6. Operating Temperature Range:	-20℃ ～ +70℃
7. Frequency Characteistics Over Temperatnre:	±20ppm -20℃～+70℃
8. Load Capacitance (CL):	12.5 PF
9. Drive Level:	10μW
10. Shunt Capacitance:	5PF MAX
11. Insulation Resistance:	≥500MΩ Min at 100 V
12. Mode Of Oscllation:	Fundamental
13. Aging:	±5ppm/Year
Marking description:	KYX32.768
14. Dimensiors(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 ≤ ± 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 ± 5 ° C soldering from the end of lead to the bottom 2 ~ 3.0 mm, in the groove, time 2 ± 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 ± 10 ° C welding groove, time 3.5 ± 0.5 seconds, after the test, appearance, no abnormal, performance testing requirements of the same vibration.

6. Low temperature resistance: at -25 ° C ± 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 ± 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 ± 3 ° C, RH93% ± 2% , placed for 48 hours, recovered 2 hours after removal, no abnormal appearance, performance test with vibration requirements.

9. High temperature aging: 120 ° C ± 2 ° C aging 48 hours, after removal of normal temperature recovery 2 hours. Frequency change ≤ ± 5 ppm, resistance change ≤ ± 25k Ω .