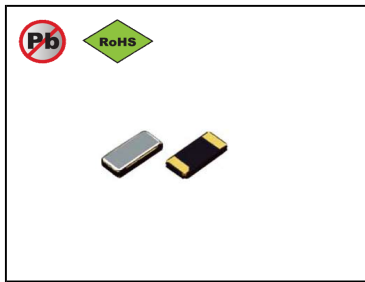


KS212Q

Automotive 32.768kHz Crystal



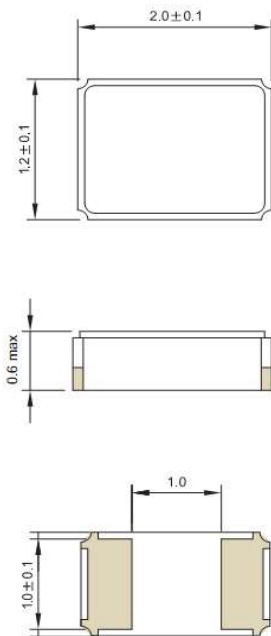
■ TUNING FORK SMD TYPE 2.0x1.2mm

- Miniature Ceramic Surface Mount package
- Excellent environmental characteristics for Automotive
- High reliability and Wide temperature range available
- AEC-Q200 compliant
- Applications : Car Infotainment system, Car navigation, ECU sub clock etc.

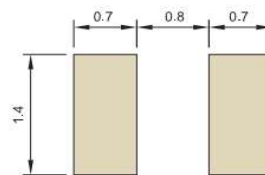
■ Standard Specification

Nominal Frequency	32.768KHz
Motional resistance (ESR)	90kΩ Max
Load capacitance (CL)	6pF, 7pF, 9pF, 12.5pF or please specify
Frequency tolerance (25°C)	±20ppm (std) or please specify
Turnover Temperature	25°C±5°C
Temperature coefficient	$(-0.028 \pm 20\%) \times 10^{-6} / ^\circ\text{C}^2$
Operating temperature range	-55°C to +125°C
Storage temperature range	-55°C to +125°C
Level of drive(DL)	0.1μW Typ, 1.0μW Max
Shunt Capacitance (C0)	1.3pF Typ
Aging (Initial first year)	± 3ppm Max
Insulation Resistance (DC 100V)	500MΩ Min

■ Dimensions (mm)



• Recommended Soldering Pattern



• Internal connection

