

- Frequency 32.768kHz
- Ultra-miniature package: 2.0 x 1.2 x 0.6mm
- Low mass, rugged construction
- Packaged in standard EIA tape and reel



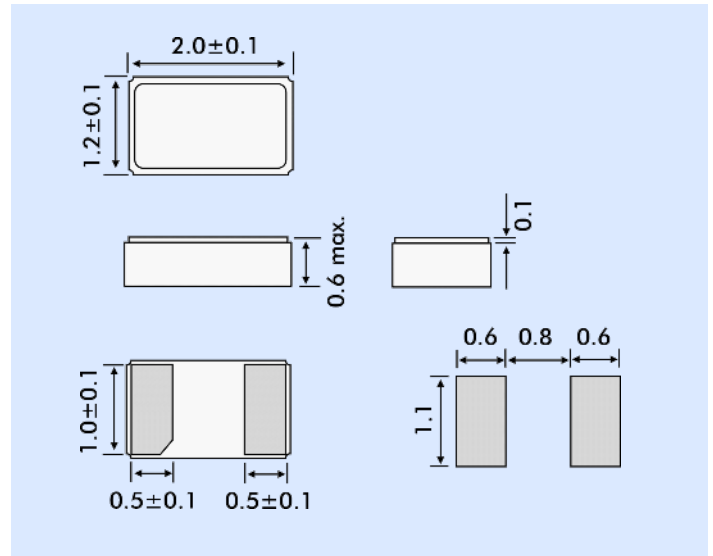
DESCRIPTION

EQ212 crystals provide 32.768kHz in one of the smallest packages available. The part is designed to provide the smallest possible component size for real-time clock applications. Their miniature size and rugged construction make them ideal for battery powered, hand-held equipment.

SPECIFICATION

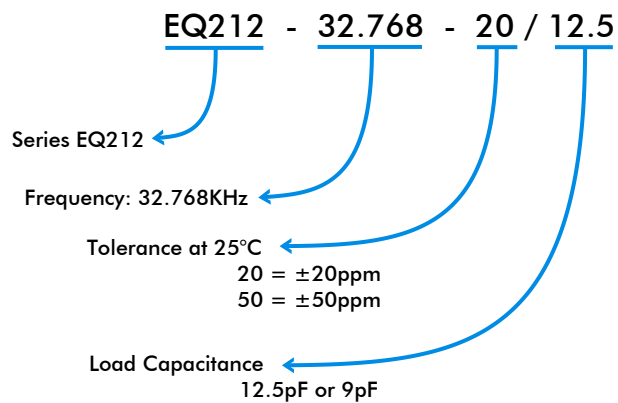
| | |
|-------------------------------------|--|
| Nominal Frequency: | 32.7680kHz |
| Calibration Tolerance at 25°C: | ±20ppm or ±50ppm |
| Turnover Temperature: | +25±5°C |
| Temperature Coefficient: | (-3.5±1.0)×10 ⁸ /°C ² |
| Operating Temperature Range: | -40 to +85°C |
| Load Capacitance (CL): | 12.5pF or 9.0pF |
| Equivalent Series Resistance (ESR): | 90kΩ max. |
| Drive level: | 0.1μW typical 0.5μW max. |
| Ageing: | ±5ppm per year |
| Insulation Resistance: | 500MΩ minimum @100VDC |
| Crystal Cut: | X-Cut |
| Reflow Soldering: | 10s maximum at 260°C twice or 180s at 230°C, once. |
| Packaging: | EIA tape and reel |

OUTLINE & DIMENSIONS



ORDERING INFORMATION

Example: EQ212-32.768-20/12.5



STABILITY OVER TEMPERATURE X-Cut Crystal

