

# X32K768L104

Crystal Resonator  
3.0mm x 8.0mm

**AEL**  
CRYSTALS

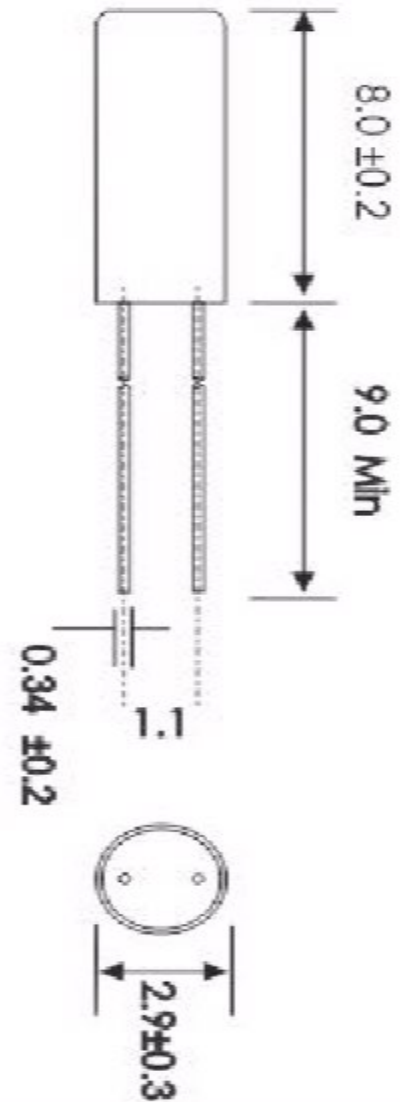
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## Features

- Thru Hole Tuning Fork Crystal Resonator
- Tolerance:  $\pm 20$ ppm
- Operating Temperature  $-10^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$

STANDARD SPECIFICATIONS	
PARAMETERS	MAX (Unless otherwise noted)
Frequency Range	<b>32.768000kHz</b>
Resonance Mode	<b>Fundamental</b>
Frequency Tolerance @ $25^{\circ}\text{C}$	<b><math>\pm 20</math>PPM</b>
Temperature Range Operating (TOPR)	<b><math>-10^{\circ}\text{C}</math> to <math>+60^{\circ}\text{C}</math></b>
Load Capacitance (CL)	<b>12.5 pF</b>
Equivalent Series Resistance (ESR)	<b>30 K Ohm</b>
Ageing	<b><math>\pm 5</math>PPM (First Year Max)</b>
Maximum Soldering Temp / Time	<b><math>260^{\circ}\text{C}</math> / 10 seconds x2</b>
Tape and Reel	<b>Bag 1000 pcs Bulk</b>

## DIMENSIONS / MECHANICAL SPECIFICATIONS



Dimensions are in mm

## RELIABILITY TEST CONDITIONS

Please contact Abracon Quality Assurance department