

**C26-LF & C38-LF Model**  
**32.768KHz Tuning Fork Crystal**

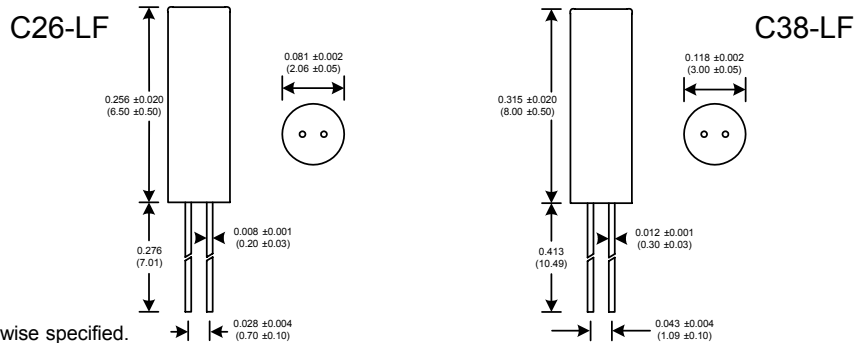
# Tuning Fork Crystal



Miniature package provides excellent shock resistance and low power consumption. Offers an excellent clock source for communication and measuring equipment.



**Frequency:** 32.768KHz  
**Calibration Tolerance:**  $\pm 20$ ppm @ 25°C  
**Turnover Temperature:** 25°C  $\pm 5$ °C  
**Frequency vs Temp.:**  $-0.034 \pm 0.006$ ppm/°C<sup>2</sup>  
 (See Chart 1)  
**Operating Temp. Range:** -10°C to 60°C  
**Storage:** -40°C to 85°C  
**ESR:** 35K ohm Max  
**Load Capacitance:** 12.5pF Std.  
**Motional Capacitance:** (C26-LF) 0.0030pF Typ.  
 (C38-LF) 0.0035pF Typ.  
**Shunt Capacitance:** (C26-LF) 1.35pF Typ.  
 (C38-LF) 1.60pF Typ.  
**Capacitance Ratio:** (C26-LF) 450 Typ.  
 (C38-LF) 460 Typ.  
**Drive Level:** 1uW Max  
**Insulation Resistance:** 500M ohm Min, DC100V $\pm 15$ V  
**Aging:** <3ppm 1st/yr Max 25°C  $\pm 3$ °



Dimensions inches (mm)

All dimensions are Max unless otherwise specified.

Processing notes:

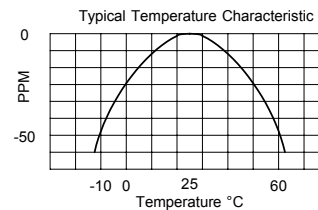
**Hand soldering:** Lead wire temperature not to exceed 270°C, 10 sec Max.

**Solder-dip:** Crystal package is recommended to be mounted in the up-right position. If mounted sideways caution must be taken to insure that heat is not transmitted over crystal package.

**Reflow Oven:** Not recommended.

**Cleaning:** Washable

Chart 1



Specifications subject to change without notice.

TD-060804 Rev. A

