

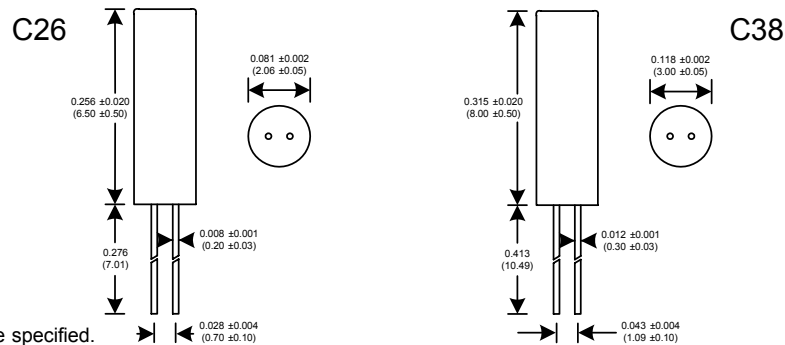
**C26 & C38 Model**  
**32.768KHz Tuning Fork Crystal**

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



Dimensions inches (mm)

All dimensions are Max unless otherwise specified.

Processing notes:

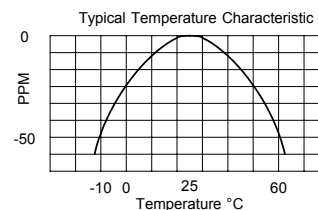
**Hand soldering:** Lead wire temperature not to exceed  $270^\circ\text{C}$ , 10 sec Max.

**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-020818 Rev. B

