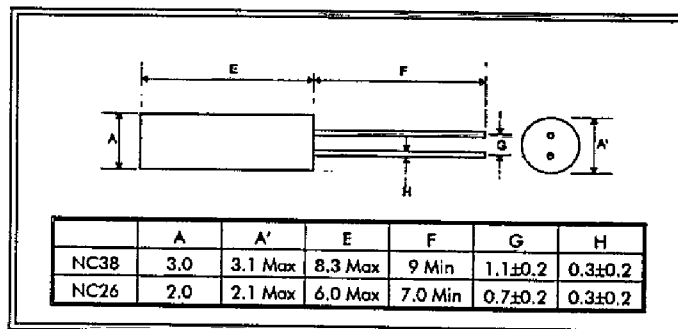


Watch Crystal

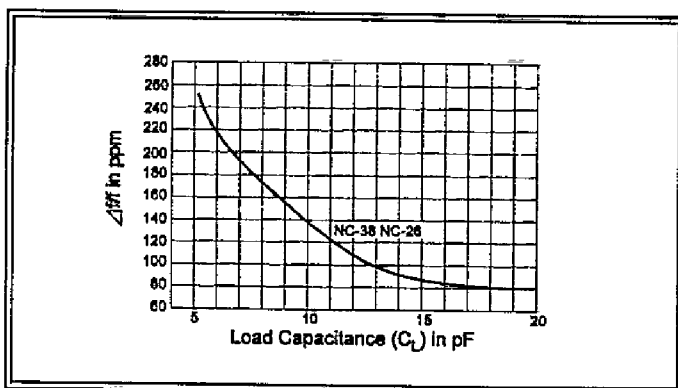
32.768KHz, Miniature Cylindrical, Low Cost

NC26 and NC38 Series Specifications

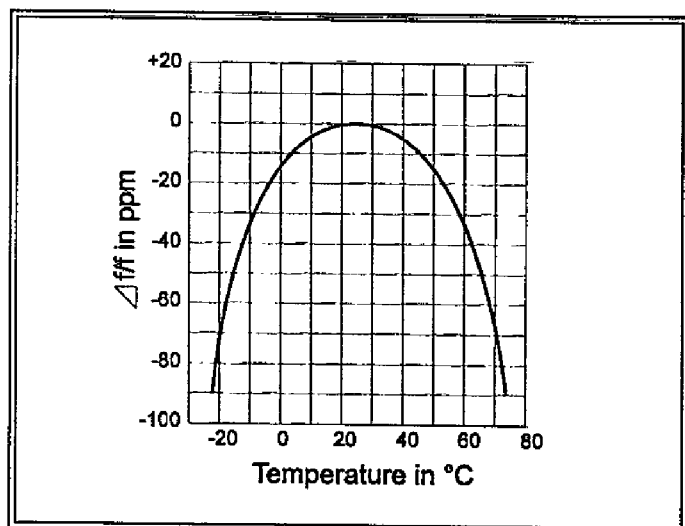
- » Frequency :
32.768kHz
- » Holder Style :
NC26 - 2 x 6mm cylindrical
NC38 - 3 x 8mm cylindrical
- » Frequency Tolerance :
 $\pm 20\text{ppm (max.) at } 25^{\circ}\text{C}$
- » Temperature Operating Range :
 $-20^{\circ}\text{C to } +70^{\circ}\text{C}$
- » Q Factor :
60,000 (typical)
- » Series Resistance :
25K Ω (typical), 35K Ω (max.)
- » Turnover Temperature :
 $20 \pm 5^{\circ}\text{C}$
- » Temperature Coefficient :
 $-0.035 \pm 0.005\text{ppm} / ^{\circ}\text{C}^2$
- » Shunt Capacitance :
1.6pF (max.)
- » Ageing :
 $\pm 3\text{ppm first year (max.)}$
- » Shock Resistance :
 $\pm 3\text{ppm}$
- » Load Capacitance :
12.5pF
- » Capacitance Ratio (C_0/C_1) :
520pF (typical)
- » Drive Level :
1 μW (max.)



Outline Dimensions (mm)



Frequency Deviation vs Loading Capacitance (typical)



Temperature Characteristic (typical)