THRU-HOLE TUNING FORK
MODEL: NC15/NC26/NC38

FEATURES

- Miniature Packages
- Low Cost
- Cold Weld Design
- Long Term Stability
- Tight Tolerance

DISCONTINUED



Quote it!

• PART NUMBER SELECTION

Learn More - Internet Required

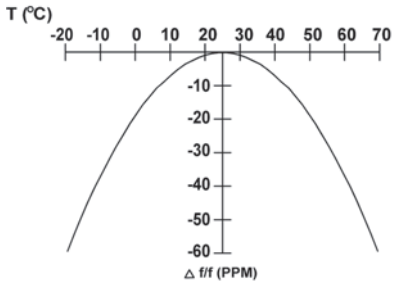
Part Number	Model Number	Frequency Stability	Operating Temperature	Frequency
298-Frequency-xxxxx	NC15	-0.04 PPM / (ΔºC)²	-20 ºC~ +60 ºC	32.768 kHz
299-Frequency-xxxxx	NC26	-0.04 PPM / (ΔºC)²	-20 ºC~ +60 ºC	32.768 kHz
300-Frequency-xxxxx	NC38	-0.04 PPM / (ΔºC)²	-20 ºC~ +60 ºC	32.768 kHz

• STANDARD SPECIFICATIONS

PARAMETERS	MAX (unless otherwise noted)
Frequency	32.768 kHz
Frequency Tolerance @ 25ºC	± 20 PPM
Frequency Stability Temperature Coefficient	-0.04 PPM / (ΔºC)²
Temperature Range	
Turnover (TO)	+20ºC ~ +30ºC
Operating (TOPR)	-20ºC ~ +60ºC
Storage (TSTG)	-30ºC ~ +70ºC
Equivalent Series Resistance (RS)	
NC15 / NC26	50 kΩ
NC38	35 kΩ
Load Capacitance (CL)	12.5 pF (Standard) 6 pF (Optional)
Insulation Resistance @ 100VDC	500 MΩ Min
Drive Level	1.0 µW
Aging per year	±3 PPM

All specifications subject to change without notice. *Rev. 7/12/04*

Parabolic Temperature Curve

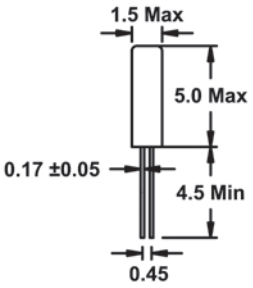


To determine frequency stability, use parabolic curvature (K).
For example: What is stability at 45ºC?

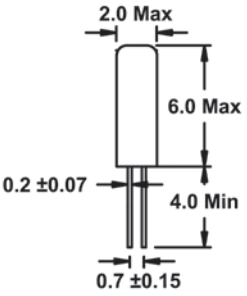
1) Change in T (ºC) = 45-25 = 20ºC
2) Change in frequency = -0.04 PPM * (Δ C)²
= -0.04 PPM * (20)²
= -16.0 PPM

Learn more about:
Part Marking Identification
Tape and Reel Specification
Internet required

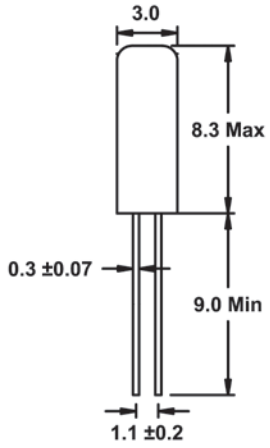
NC15



NC26



NC38



All dimensions are in millimeters.

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