

VXA1 Microprocessor Crystals

The VXA1 series of HC-49/U packaged crystals offers the most popular crystal package for computer and peripherals' applications. Our type "A" package (HC-49/U) offers the highest level of quality at the most economical price.

Vite's standard crystal tolerance (Option "B" under stability vs. temperature) is ± 50 PPM -20°C to $+70^{\circ}\text{C}$ relative to the load capacitance at $+25^{\circ}\text{C}$. All VXA crystals will operate -40°C to $+85^{\circ}\text{C}$.

C. The "B" stability of ± 50 PPM is an absolute guarantee but the typical crystal is better than ± 30 PPM 0°C to $+70^{\circ}\text{C}$ and better than ± 75 PPM from -40°C to $+85^{\circ}\text{C}$.

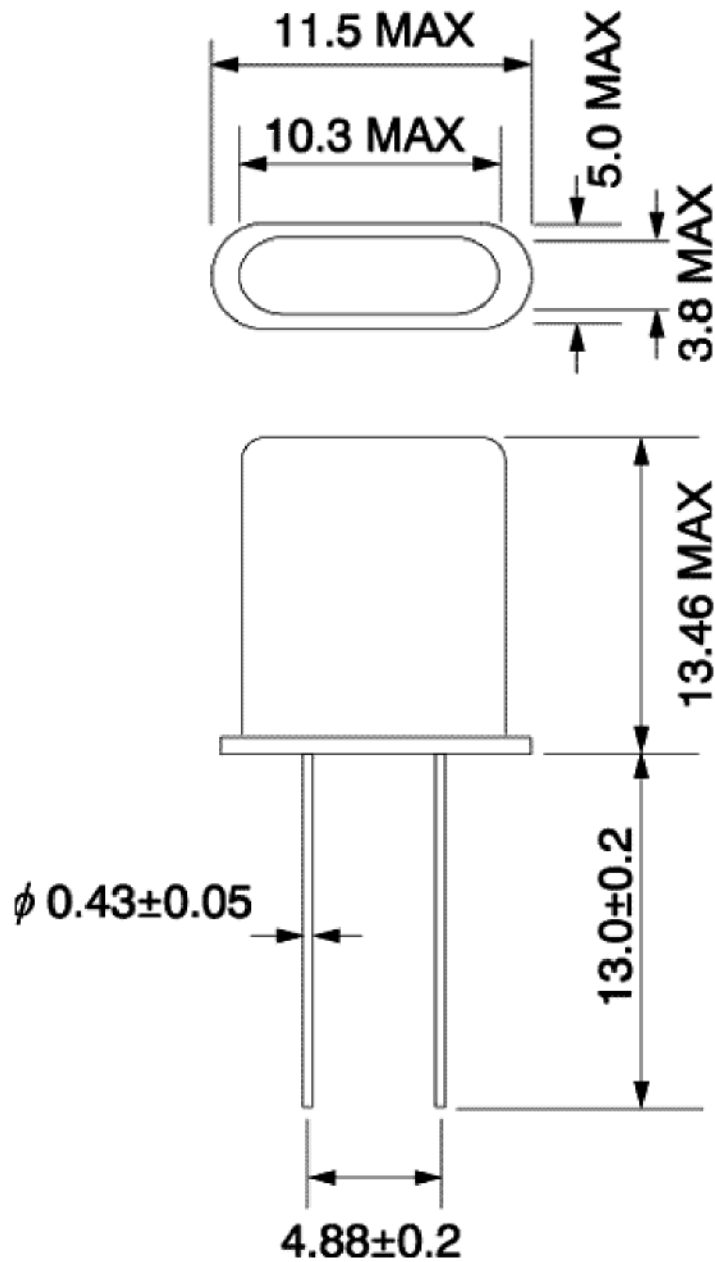


Package Options	A1 = HC-49/U 13.5 mm tall
Frequency Range	1.8432 M Hz to 150.00 M Hz See
Standard Frequencies	Standard Frequency Table
Mode	1 = Fundamental (1.8432 to 40 MHz) 3 = 3 rd Overtone (20 to 100 MHz) 5 = 5 th Overtone (100 to 150 MHz)
Stability Options	A = ± 100 PPM -20°C to $+70^{\circ}\text{C}$ B = ± 50 PPM -20°C to $+70^{\circ}\text{C}$ C = ± 100 PPM -40°C to $+85^{\circ}\text{C}$ D = ± 50 PPM -40°C to $+85^{\circ}\text{C}$ E = ± 25 PPM -20°C to $+70^{\circ}\text{C}$ F = ± 30 PPM -20°C to $+70^{\circ}\text{C}$
Load Capacitance	0 = Series Resonant 1 = 16 pF 2 = 20 pF 3 = 32 pF 4 = 18 pF 5 = 10 pF 6 = 30 pF
STD Calibration	± 25 PPM at $+25^{\circ}\text{C}$ Tolerances to ± 10 PPM are available
Tolerance	
Equivalent Series Resistance	See ESR Table I
Shunt Capacitance	7 pf Maximum 10
Drive Level Crystal	to 1,000 uW <5
Aging Standard	ppm/1 st year
Packaging Typical	Bagged
P/N	VXA1-3B2-40M000

A1 = HC/49U package 13.5 mm tall
3 = 3rd overtone
B = ± 50 PPM -20°C to $+70^{\circ}\text{C}$
2 = 20 pF load

[Generate your own part number!](#)

We welcome your custom requests and will issue a custom part number for items that are not listed.



Dimensions in mm.