

VXA5 Microprocessor Crystals

The VXA5 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 $+85^{\circ}\text{C}$. 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	A5 = HC-49/US Reduced Height 2.5 mm tall
Frequency Range	3.579 MHz to 80.00 MHz
Standard Frequencies	See Standard Frequency Table
Mode	1 = Fundamental (3.579 to 40 MHz) 3 = 3 rd Overtone (24.576 to 80 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 $+85^{\circ}\text{C}$ 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 Tolerance	± 25 PPM at $+25^{\circ}\text{C}$ Tolerances to ± 10 PPM are available
Equivalent Series Resistance	See ESR Table II
Shunt Capacitance	7 pf Maximum
Drive Level	10 to 2,000 uW
Crystal Aging	<5 ppm/1 st year
Standard Packaging	Bagged
Typical P/N	VXA5-1B2-20M000

A5 = HC/49US Reduced Height Package 2.5 mm tall
1 = Fundamental Mode
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.

