

### VXA4 Microprocessor Crystals

The VXA4 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  $\pm 50$  PPM  $-20^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$  relative to the load capacitance at  $+25^{\circ}\text{C}$ . All VXA crystals will operate  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ . The "B" stability of  $\pm 50$  PPM is an absolute guarantee but the typical crystal is better than  $\pm 30$  PPM  $0^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$  and better than  $\pm 75$  PPM from  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ .



**Package Options**      **A4** = HC-49/US 3.6 mm tall

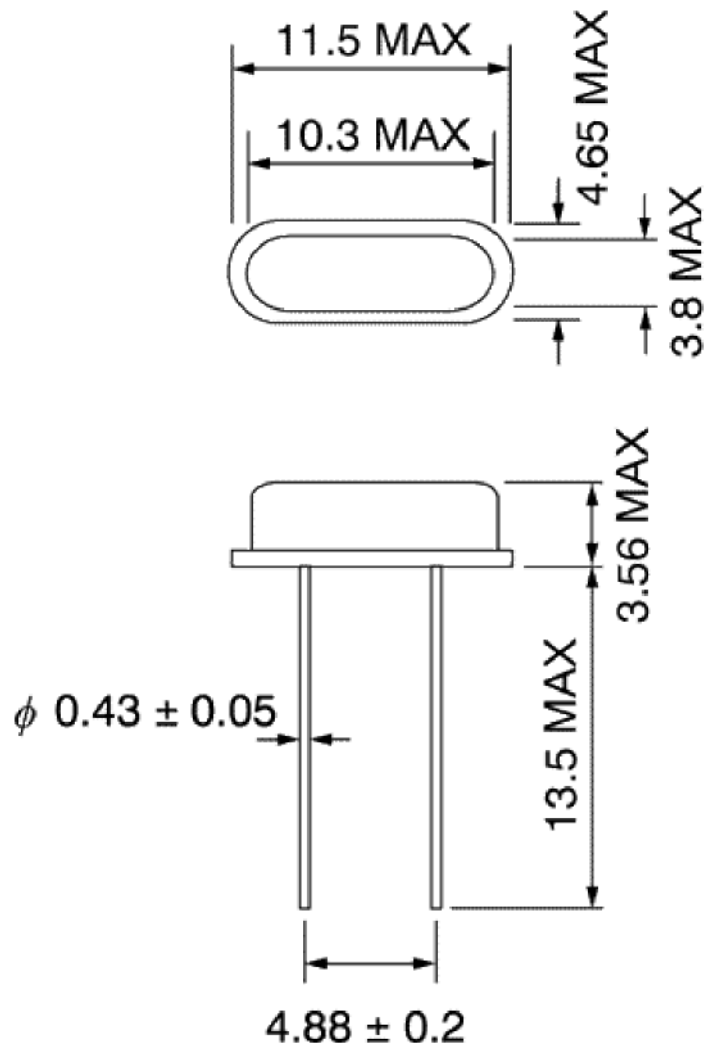
<b>Frequency Range</b>	3.5 MHz to 100.00 MHz
<b>Standard Frequencies</b>	See <a href="#">Standard Frequency Table</a>
<b>Mode</b>	<b>1</b> = Fundamental (3.5 to 40 MHz) <b>3</b> = 3 <sup>rd</sup> Overtone (20 to 100 MHz)
<b>Stability Options</b>	<b>A</b> = $\pm 100$ PPM $-20^{\circ}\text{C}$ to $+70^{\circ}\text{C}$ <b>B</b> = $\pm 50$ PPM $-20^{\circ}\text{C}$ to $+70^{\circ}\text{C}$ <b>C</b> = $\pm 100$ PPM $-40^{\circ}\text{C}$ to $+85^{\circ}\text{C}$ <b>D</b> = $\pm 50$ PPM $-40^{\circ}\text{C}$ to $+85^{\circ}\text{C}$ <b>F</b> = $\pm 30$ PPM $-20^{\circ}\text{C}$ to $+70^{\circ}\text{C}$
<b>Load Capacitance</b>	<b>0</b> = Series Resonant <b>1</b> = 16 pF <b>2</b> = 20 pF <b>3</b> = 32 pF <b>4</b> = 18 pF <b>5</b> = 10 pF <b>6</b> = 30 pF
<b>STD Calibration</b>	$\pm 25$ PPM at $+25^{\circ}\text{C}$ Tolerances to $\pm 10$ PPM are available
<b>Tolerance</b>	
<b>Equivalent Series Resistance</b>	See <a href="#">ESR Table II</a>
<b>Shunt Capacitance</b>	7 pf Maximum
<b>Drive Level Crystal</b>	10 to 2,000 $\mu\text{W}$
<b>Aging Standard</b>	<5 ppm/1 <sup>st</sup> year
<b>Packaging Typical P/N</b>	Bagged

**VXA4-1B2-20M000**

**A4** = HC/49US package 3.6 mm tall  
**1** = Fundamental Mode  
**B** =  $\pm 50$  PPM  $-20^{\circ}\text{C}$  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.