

## VXE2 Ultra Miniature Surface Mount Crystals

**Package Options** E2 = 6 x 3.5 x 1.1 mm tall 4 pads

**Frequency Range** 12 MHz to 100 MHz

**Standard Frequencies** See [Standard Frequency Table](#)

**Mode**  
1 = Fundamental (12 to 40 MHz)  
3 = 3<sup>rd</sup> Overtone (40 to 100 MHz)

**Stability Options**  
A =  $\pm 100$  PPM -20°C to +70°C  
B =  $\pm 50$  PPM -20°C to +70°C  
F =  $\pm 30$  PPM -20°C to +70°C

**Load Capacitance** 0 = Series Resonant  
1 = 16 pF  
2 = 20 pF  
4 = 18 pF  
5 = 10 pF  
6 = 30 pF

**STD Calibration Tolerance**  $\pm 25$  PPM at +25°C  
Tolerances to  $\pm 10$  PPM are available

**Equivalent Series Resistance** 80 $\Omega$  Maximum

**Shunt Capacitance** 7 pF Maximum

**Drive Level** 10 to 100  $\mu$ W

**Crystal Aging** <5 ppm/1<sup>st</sup> year

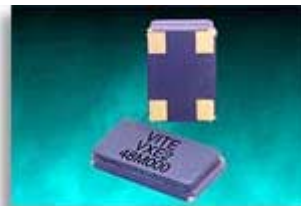
**Standard Packaging** Tape and Reel (1000 pc minimum)

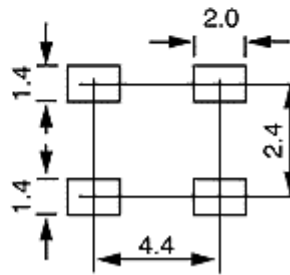
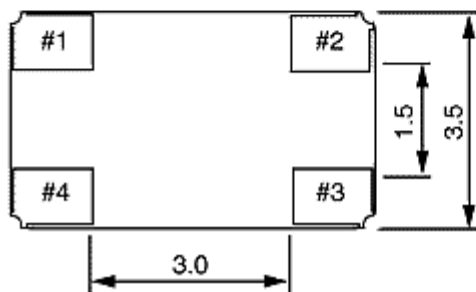
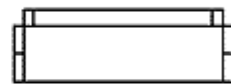
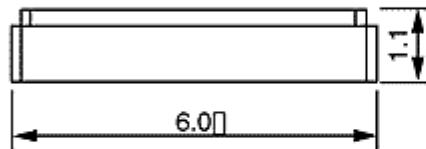
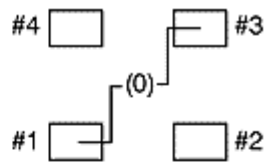
**Typical P/N** **VXE2-1B2-20M000**

E2 = 6 x 3.5 x 1.1 mm tall 4 pads  
1 = Fundamental Mode  
B =  $\pm 50$  PPM -20°C to +70°C  
2 = 20 pF load capacitance

[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.