

<http://www.vectron.com>

VCC1-103, 105 Crystal Oscillators

Featuring

- 3.0 or 5.0 Vdc Option
- Low Cost
- 1.544 to 51.840 MHz
- Tristate Option
- TTL/CMOS Compatible



Frequency Range 1.544 MHz to 51.840 MHz

Standard Frequencies See [Standard Frequency Table](#)

Package Options C1 = 7.5 x 5 x 1.8 mm tall 4 pads

**Voltage Options/
Load Drive** 103 = +3.3 Vdc \pm 10 % 15 pF
105 = +5.0 Vdc \pm 10 % 30 pF

Electrical Tristate 55/45 Symmetry

Tristate N/C = OUTPUT
Logic 1 = OUTPUT
Logic 0 = High Impedance

Stability \pm 20 PPM 0°C to 70°C for 10 years, all parameters*
(Typical stability vs temperature 0°C to 70°C \pm 10 PPM)

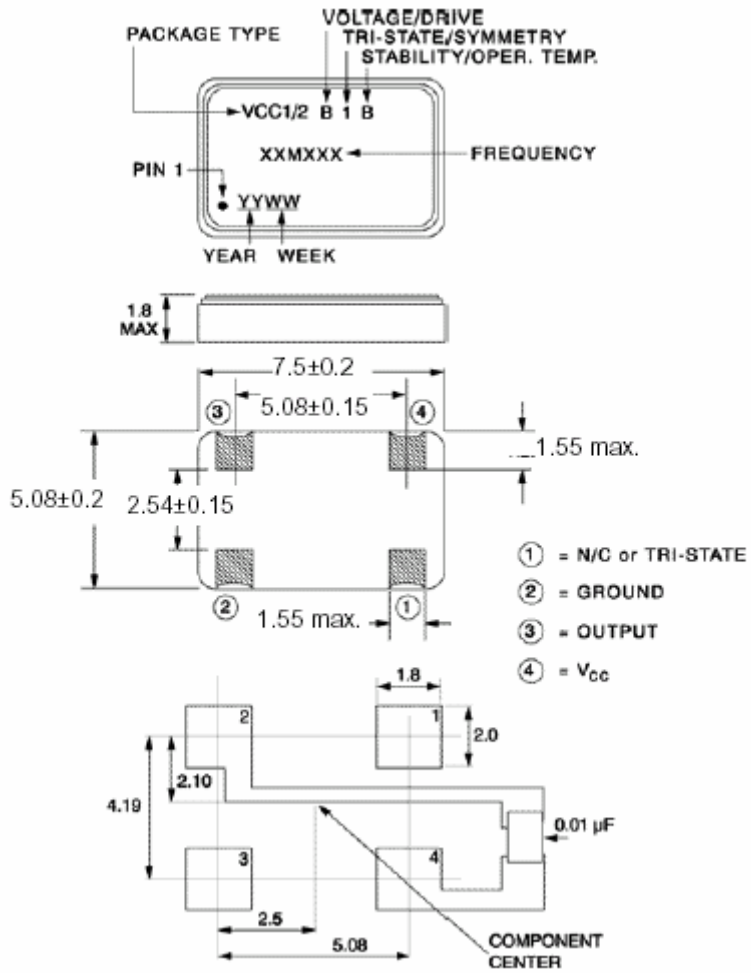
Start-Up 10 ms Maximum

Standard Load C1 = HCMOS/TTL

Current 15 mA Maximum <20 MHz
50 mA Maximum <51.84 MHz

Standard Packaging Tape & Reel (1000 pc minimum reel)

***Note:** All parameters include aging, initial accuracy, thermal stability, load, solder reflow, vibration.



Dimensions in mm.