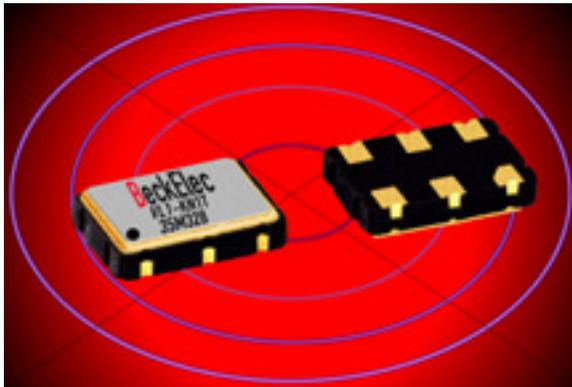


VL3 & VL4 5 mm x 7 mm Squarewave VCXOs



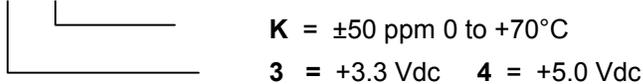
FEATURES

- +3.3 Vdc or +5.0 Vdc
- ±100 PPM min. Pull Range
- Tri-State on Pad 2
- Low profile 1.6 mm/.063 inch tall
- Hermetically sealed

APPLICATIONS

- ADSL Modems
- PCMCIA Modems

P/N VL3-K 16.384 MHz



STD FREQUENCY OPTIONS 2 to 40 MHz:

- 8.832 MHz 27.000 MHz
- 17.664 MHz 32.768 MHz
- 20.000 MHz 35.328 MHz (ADSL)
- 25.000 MHz

STABILITY vs. TEMPERATURE OPTIONS¹:

- K** ±50 ppm 0 to +70°C
- L** ±50 ppm -40 to +85°C

1) Includes load, supply and 1st year aging variations. Stability is relative to VC set to nominal frequency.

Tri-state enables with no connection or at +2.0 Vdc Minimum on Pad 2. Disable by 0 to 0.8 Vdc max.

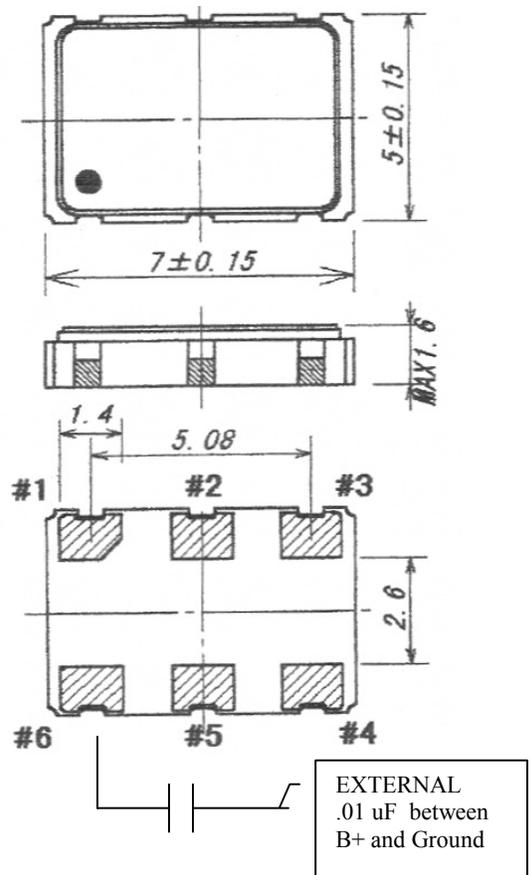
TUNING/LINEARITY

- VL3** ±90 ppm Minimum² 1.65 Vdc ±1.5V 10% linearity
- VL4** ±150 ppm Minimum 2.50 Vdc ±2.0V 10% linearity

2) ±100 PPM minimum total at center VC

- AGING: 3 ppm/year Max after 1st year
- LOAD: HCMOS 30 pF max
- LOGIC "0": 0.4 Vdc max. sinking 3.2 mA
- LOGIC "1": 90% Vdd min. sourcing 0.8 mA
- INPUT CURRENT: <25 mA 3.3 Vdc (VL1)
- <40 mA 5.0 Vdc (VL2)

- Tr and Tf <6 ns maximum
- START-UP: <4 ms typical



- PAD 1 = VC
- PAD 2 = Tri-State
- PAD 3 = Ground
- PAD 4 = Output
- PAD 5 = NC
- PAD 6 = B+