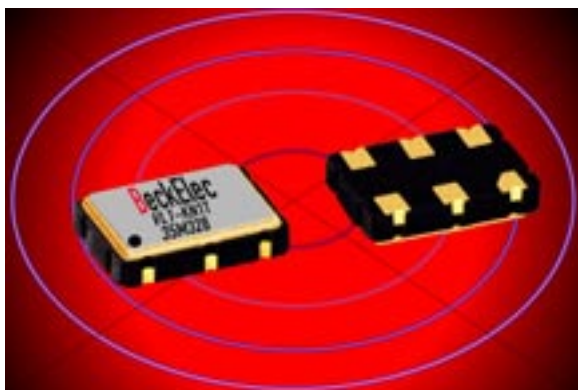


VL1 & VL2

5 mm x 7 mm Squarewave VCXOs



## FEATURES

+3.3 Vdc or +5.0 Vdc

±100 PPM min. Pull Range

Tri-State

Low profile 1.6 mm/.063 inch tall

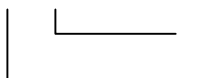
Hermetically sealed

## APPLICATIONS

ADSL Modems

PCMCIA Modems

P/N VL1- **K** 35.328 MHz



**K** = ±50 ppm 0 to +70°C

**1** = +3.3 Vdc **2** = +5.0 Vdc

### 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 OPTIONS<sup>1</sup>:

<b>K</b> ±50 ppm	0 to +70°C
<b>L</b> ±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 5. Disable by 0 to 0.8 Vdc max.

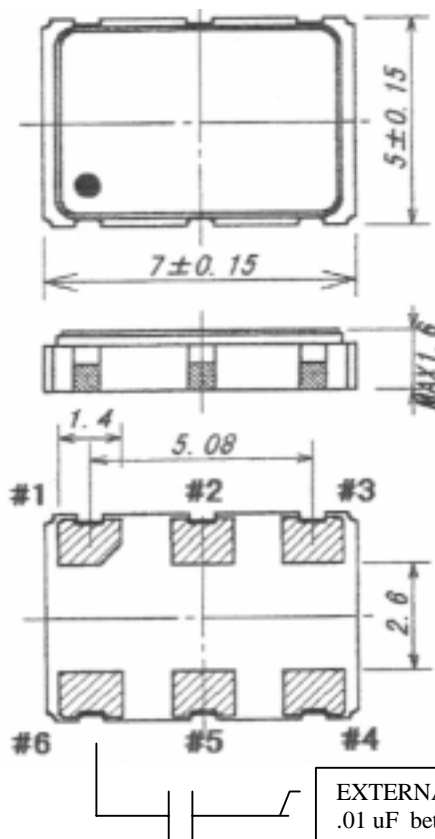
### TUNING/LINEARITY

<b>VL1</b> ±90 ppm Minimum <sup>2</sup>	1.65 Vdc ±1.5V	10% linearity
<b>VL2</b> ±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 = No Connect  
PAD 3 = Ground

PAD 4 = Output  
PAD 5 = Tri-State  
PAD 6 = B+