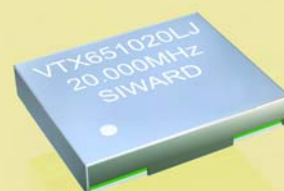


# VTX65, VTX67

TEMPERATURE-COMPENSATED CRYSTAL OSCILLATOR

SMD



## TYPICAL APPLICATIONS

Cellular telephones, PHS, GPS equipment and other communication equipment

## FEATURES

The 65,67 series is leadless and trimmerless surface-mounting type (Volume 0.25 cc) with features of compactness and low height. High accuracy and outstanding durability against heat are assured throughout the working temperature range. This TCXO is suitable for mobile communication equipment. Eutectic reflow soldering is possible.

## TYPICAL SPECIFICATIONS

Model		VTX65, VTX67
Nominal Frequency		12.000, 12.800, 13.000, 14.400, 15.360, 19.200MHz
Frequency Stability	Temperature	$\pm 2.5 \times 10^{-6} / -30^{\circ}\text{C} \sim +75^{\circ}\text{C}$
	Aging	$\pm 1.0 \times 10^{-6} / \text{year}(25^{\circ}\text{C})$
	Supply voltage	$\pm 0.3 \times 10^{-6} / +3.0\text{V} \pm 5\%$
Storage Temperature range		$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
Power Supply Voltage		+3.0V DC
Current consumption		2mA Max. (Load)
Output	Load	10k $\Omega$ /10pF
	Voltage	0.8Vp-p Min.
	Waveform	Clipped Sine Wave
Frequency tolerance at room temperature		$\pm 3.0 \times 10^{-6}$ Max
External control function	Frequency tuning range	$\pm 4.0 \times 10^{-6}$ Min. (Positive)
	External control voltage	+1.5V $\pm$ 1.0V DC
Phase noise**		-145 dBc/Hz Typ. ( at 1.0kHz )**

\* Please consult with us for other specification.

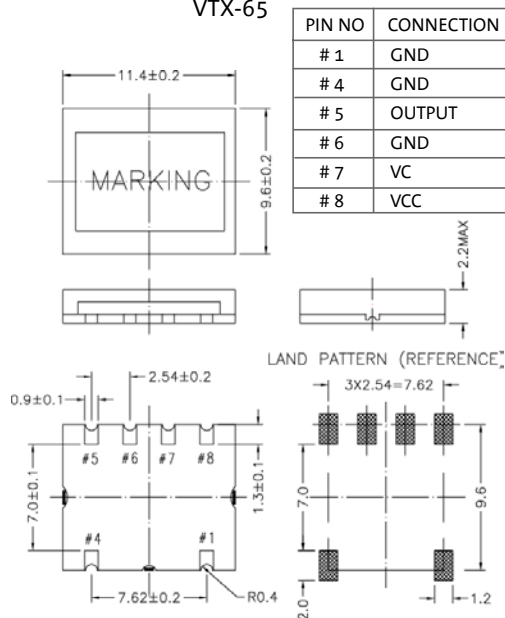
\* Do not clean this TCXO by ultrasonic-wave or liquid.

\*\* Performance vary based on different specification.

## OUTLINE DIMENSIONS

Unit:mm

### VTX-65



### VTX-67

