

## TEMPERATURE-COMPENSATED CRYSTAL OSCILLATOR

**SMD**



Cellular telephones, PHS, GPS equipment and other communication equipment

The 71 series is leadless surface-mounting type (Volume 0.063 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.

Model		TXO71	VTX71
Nominal Frequency		12.8 , 13.0 , 14.4 , 15.36 , 19.20 , 19.68, 26.0MHz	
Frequency Stability	Temperature	$\pm 1.0 \times 10^{-6} (0^{\circ}\text{C} \sim +50^{\circ}\text{C}) / \pm 2.5 \times 10^{-6} (-30^{\circ}\text{C} \sim +85^{\circ}\text{C})$	
	Aging	$\pm 1.0 \times 10^{-6} / \text{year} (25^{\circ}\text{C})$	
	Supply voltage	$\pm 0.2 \times 10^{-6} / +3.0\text{V} \pm 5\%$	
Storage Temperature range		$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$	
Power Supply Voltage		+2.8 ~ 5.0V DC	
Current consumption		2mA Max. (Load)	
Output	Load	10k $\Omega$ //10pF	
	Voltage	0.8Vp-p Min.	
	Waveform	Clipped Sine Wave	
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**		-135 dBc/Hz Typ. ( at 1.0kHz )**	

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

\*\* Performance vary based on different specification.

## Unit:mm

