

## TX324TK Series : Temperature Compensation Crystal Oscillators - 32.768KHz 3.2x2.5mm

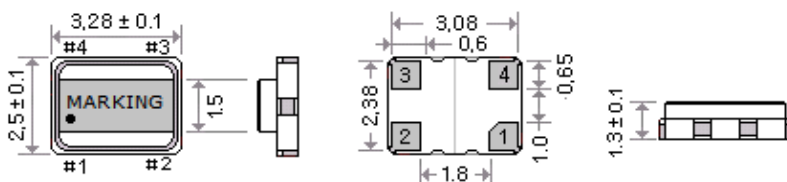
### ● SPECIFICATION

Frequency Range		32.768KHz
Input Voltage (VDD)		1.8V - 5.0V
Initial Frequency Tolerance		±1.5PPM max. at 25°C
Frequency Stability	Vs. Temperature	±5.0PPM typ.
	Vs. Supply Voltage	±0.3PPM max./ VDD ±5%
	Vs. Aging	±1.0PPM per year
	Vs. Load	±0.3PPM
Operation Temperature		-40°C ~ +85°C typ., available for -40°C ~ +105°C
Storage Temperature		-40°C ~ +85°C
Current Consumption		1.5uA typ.
Output Voltage		V <sub>OH</sub> : V <sub>DD</sub> - 0.4V min.
		V <sub>OL</sub> : 0.4V max.
Duty cycle		45% ~ 55% at 0.5V <sub>DD</sub>
Load		15pF, CMOS
Start - up Time		1 Sec max. at 25°C
Rise / Fall Time		100 ns max.
Pin 1 OE Control		Enable : 80% V <sub>DD</sub> min.
		Disable : 20% V <sub>DD</sub> max.

### ● PART NUMBERING

Type	Packing Code	Input Voltage	Output Code	Operation Temperature	Frequency	Stability
TX : TCXO	324TK : 3.2x2.5mm,4P	1.8 : 1.8V 2.5 : 2.5V 2.8 : 2.8V 3 : 3V 3.3 : 3.3V 5 : 5V	T : CMOS Square Wave	1 : -10~+60°C Blank : -10~+70°C 2 : -20~+70°C 27 : -20~+75°C 28 : -20~+85°C 37 : -30~+75°C 3 : -30~+80°C 38 : -30~+85°C I : -40~+85°C A : -40~+105°C B : -40~+125°C C : -55~+125°C D : -40~+150°C X : Custom	32K : 32.768KHz	3 : ±3.0PPM 5 : ±5.0PPM 8 : ±8.0PPM

### ● DIMENSIONS (UNIT : mm)



Pad Connections :	
Pad 1	Output Enable
Pad 2	Ground
Pad 3	Output
Pad 4	Input Voltage