



## Features

- 7050 size, 0.90mm high ultra miniature and light weight SMD TCXO.
- Low voltage operation and low phase noise.
- Temperature Stability:  $\pm 0.5\text{ppm} \sim \pm 2.0\text{ppm}$ .
- Automatic mounting and reflow soldering.
- Voltage Control Function Available.
- Applications: GPS, WiMax, Cellular, Wireless communications, Smart Phone, etc.
- Single package structure.



## Electrical Specifications

Type		SMD 7050 TCXO
Output Type		Clipped Sine wave
Output Load		10k $\Omega$ / 10pF
Oscillation Mode		Fundamental
Supply Voltage		1.8~3.3V $\pm 5\%$
Current Consumption		2.0mA Max
Frequency Stability	Vs. Over Temperature	$\pm 2.5\text{ppm Max}$
	Vs. Load (Load change $\pm 10\%$ )	$\pm 0.2\text{ppm}$
	Vs. Supply Voltage varied $\pm 5\%$ at 25 $^{\circ}\text{C}$	$\pm 0.2\text{ppm}$
	Aging (at 25 $^{\circ}\text{C}$ )	$\pm 1.0\text{ppm / Year}$
Frequency Tolerance	as 25 $^{\circ}\text{C}$ after 2 Reflows with Typical Applied to Auto Frequency Control Pin	$\pm 2.0\text{ppm}$
Operating Temperature Range		-40~+85 $^{\circ}\text{C}$
Storage temperature range		-40~+85 $^{\circ}\text{C}$
Output Voltage Level		0.8V <sub>P-P</sub>
Start-up Time		2.0ms Max.
Auto Frequency Control (AFC)Range*		$\pm 7 \sim \pm 16\text{ppm}$ (1.4 $\pm 1\text{V}$ )
*AFC Range is selective and disable is acceptable.		

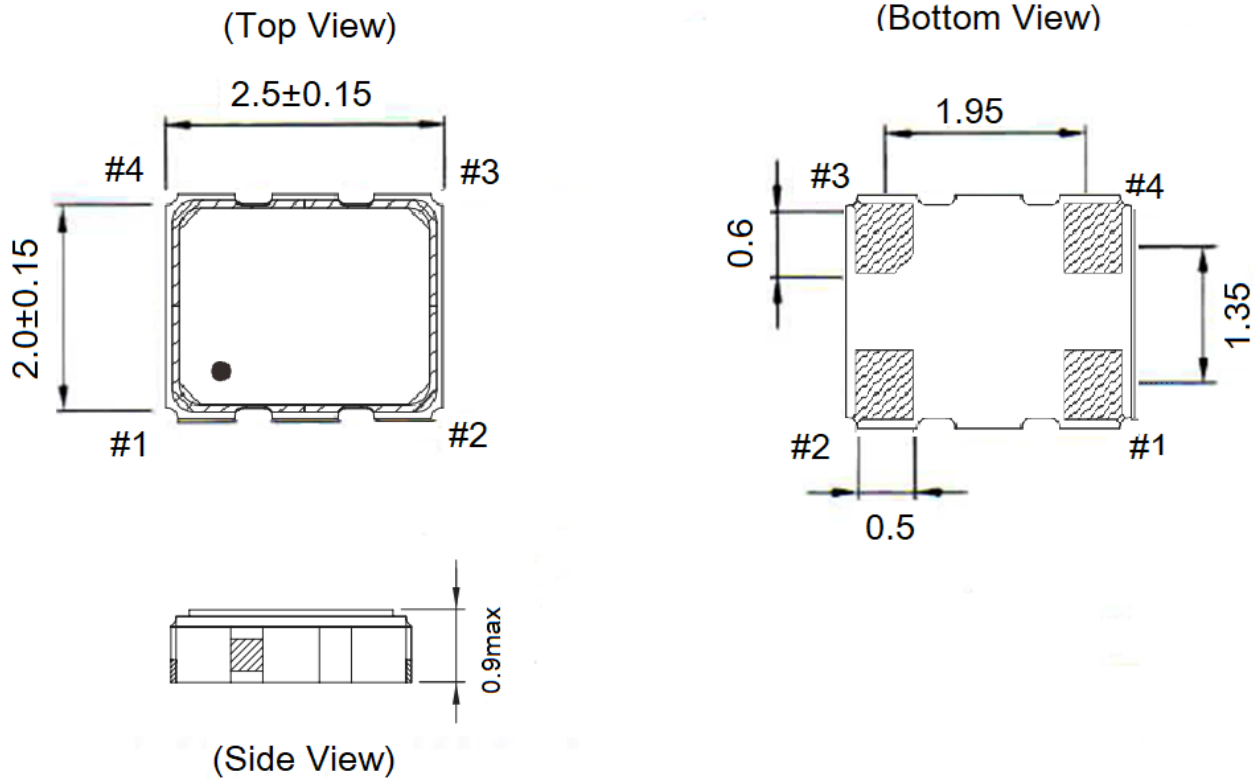
## Ordering Information

<u>KTC2520</u>	<u>26000M</u>	<u>20</u>	<u>05</u>	<u>0</u>	<u>S</u>
Product Code	Frequency Range 26.000MHz	Frequency Tolerance 20= $\pm 2.0\text{ppm}$	Frequency Stability Vs. Temperature 05= $\pm 0.5\text{ppm}$ 20= $\pm 2.0\text{ppm}$	Voltage Control 0=no VC 1=VC	Output Type S=Clipped Sine wave



**Dimension**

Units:mm



Pin Connections	
Pin No.	Connection
#1*	AFC or GND
#2	GND
#3	OUTPUT
#4	Vdd

\* Pin # 1

Vcon(VC-TCXO)/GND(TCXO)

Enable /Disable (Stand-by function)