Features

- 3225 size, 0.90mm high ultra miniature and light weight SMD TCXO.
- Low voltage operation and low phase noise.
- Temperature Stability: ±0.5ppm~±2.0ppm.
- 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 3225 TCXO
Output Type		Clipped Sine wave
Output Load		10kΩ / 10pF
Oscillation Mode		Fundamental
Supply Voltage		1.8~3.3V±5%
Current Consumption		2.0mA Max
Frequency Stability	Vs. Over Temperature	±2.5ppm Max
	Vs. Load (Load change ± 10%)	±0.2ppm
	Vs. Supply Voltage varied ± 5% at 25°C	±0.2ppm
	Aging (at 25°C)	±1.0ppm / Year
Frequency Tolerance	as 25°C after 2 Reflows with Typical Applied to Auto Frequency Control Pin	±2.0ppm
Operating Temperature Range		-40~+85°C
Storage temperature range		-40~+85°C
Output Voltage Level		0.8V$_{P-P}$
Start-up Time		2.0ms Max.
Auto Frequency Control (AFC)Range*		±7~±16ppm (1.4±1V)
*AFC Range is selective and disable is acceptable.		

Ordering Information

KTC2520	26000M	20	05	0	S
Product Code	Frequency Range 26.000MHz	Frequency Tolerance 20=±2.0ppm	Frequency Stability Vs. Temperature 05=±0.5ppm 20=±2.0ppm	Voltage Control 0=no VC 1=VC	Output Type S=Clipped Sine wave

Dimension

Units:mm

(Top View)

2.5±0.15

#4   #3

2.0±0.15

#1   #2

(Bottom View)

1.95

#3   #4

0.6

1.35

#2   #1

0.5

0.9max

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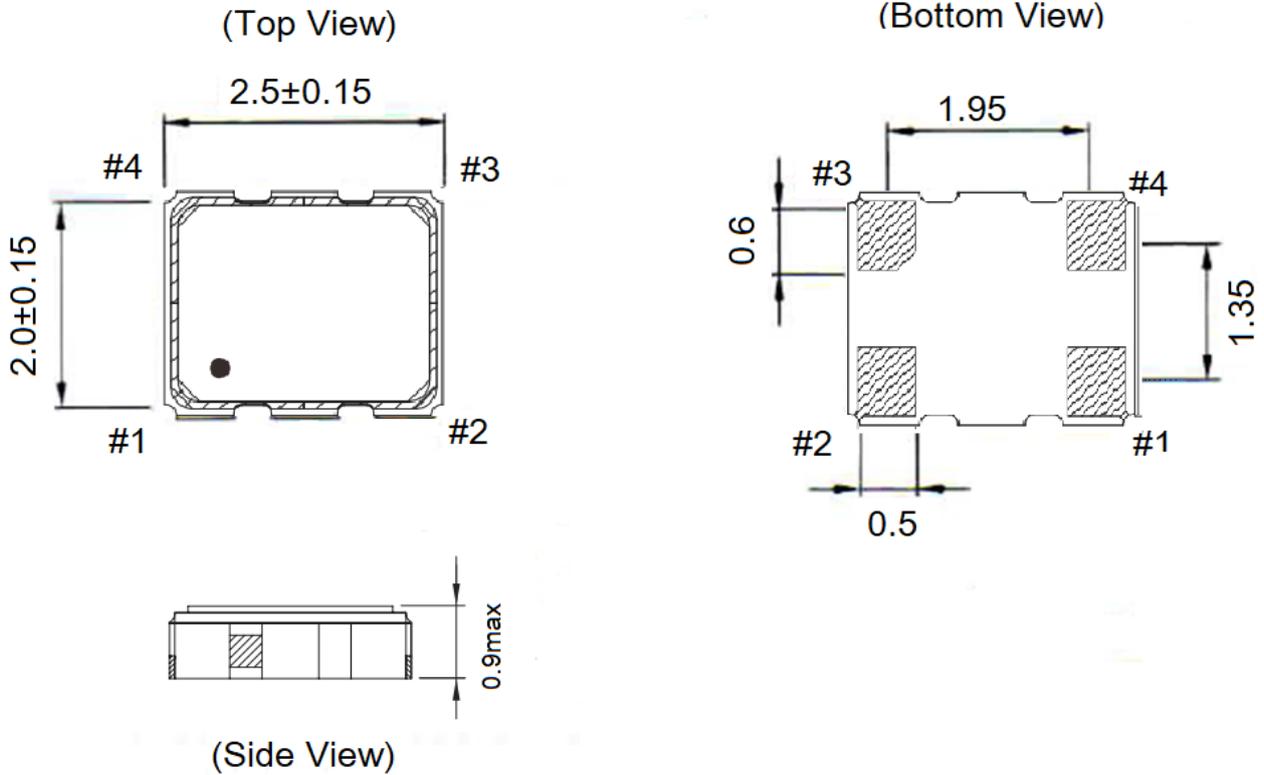
Pin Connections	
Pin No.	Connection
#1*	AFC or GND
#2	GND
#3	OUTPUT
#4	Vdd

* Pin # 1

Vcon(VC-TCXO)/GND(TCXO)

Enable /Disable (Stand-by function)