

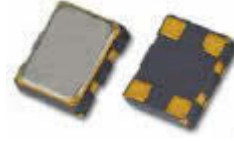
TCXO3530

Voltage Controlled Temperature Compensated
Crystal Oscillator

Features

Typical 2.5 x 2.0 x 0.75 mm ceramic SMD package
For automatic assembly
Compactness and light weight
VCTCXO available
Low thickness

Picture of Part

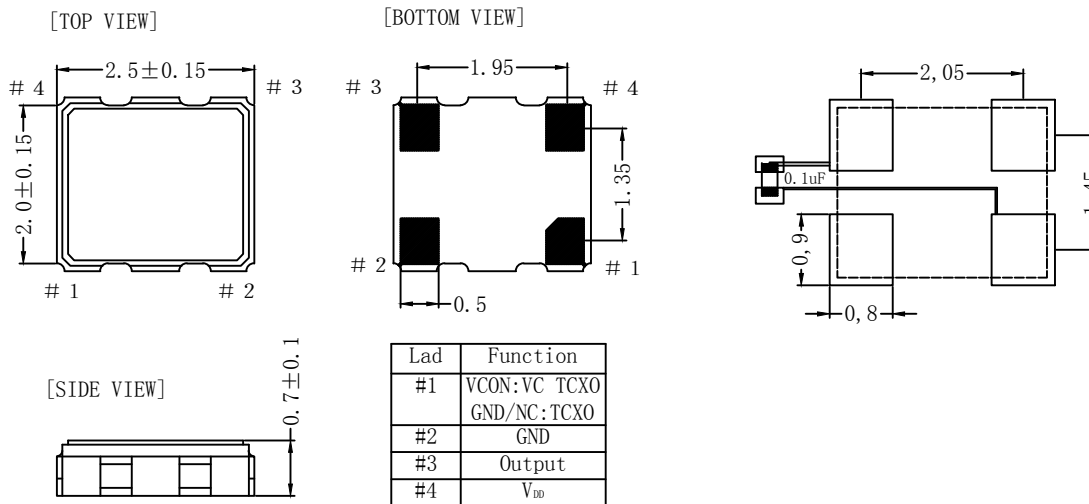


Typical Applications

GPS
WiMAX,WLAN
Mobile Phone

Mechanical Drawing and PIN Connections and Solder Pad Layout

Unit: mm



Specifications

ELECTRICAL SPECIFICATION

Parameter	2.8V		2.5V		1.8V		Unit
	Min.	Max.	Min.	Max.	Min.	Max.	
Supply Voltage Variation(VDD)5%	2.66	2.94	2.38	2.63	1.71	1.89	V
Frequency Range	13	52	13	52	13	52	MHz
Standard Frequency	16.367667, 16.368, 16.369, 19.2, 19.68, 20, 26, 40						
Frequency Tolerance	-	±2.0	-	±2.0	-	±2.0	ppm
Frequency Stability							
Vs Supply Voltage(±5%) change	-	±2.0	-	±2.0	-	±2.0	ppm
Vs Load(±10%)change	-	±2.0	-	±2.0	-	±2.0	
Vs Aging	-	±1.0	-	±1.0	-	±1.0	ppm/year
Supply Current 13MHz <<F0<26MHz	-	2.0	-	2.0	-	2.0	mA
26MHz <<F0<52MHz	-	2.5	-	2.5	-	2.5	
Output Level (Clipped Sine Wave)	0.8	-	0.8	-	0.8	-	Vp-p
Load	10KΩ/10pF		10KΩ/10pF		10KΩ/10pF		
Control Voltage Range(VCTCXO)	0.4	2.4	0.4	2.4	0.3	1.5	V
Pulling Range(VCTCXO)	±5.0	-	±5.0	-	±5.0	-	ppm
Vc Input Impedance(VCTCXO)	500	-	500	-	500	-	KΩ
Phase Noise@19.2MHz							
100Hz	-115		-115		-115		dBc/Hz
1KHz	-135		-135		-135		
10KHz	-148		-148		-148		
Start Time	-	2	-	2	-	2	mSec
Storage Temp.Range	-55	125	-55	125	-55	125	°C

Standard frequencies are frequencies which the crystal has been designed and does not imply a stock position

*Frequency at 25°C, 1 hour after reflow

Packing: Tape & Reel 3000 pcs per Reel

FREQ. STABILITY vs. TEMP. RANGE

Temp. (°C) \ ppm	±0.5	±1.0	±1.5	±2.0	±2.5
0 ~ +55	Available	Available	Available	Available	Available
-10 ~ +60	Available	Available	Available	Available	Available
-20 ~ +70	Available	Available	Available	Available	Available
-30 ~ +85	Conditional	Available	Available	Available	Available
-40 ~ +85	Conditional	Conditional	Available	Available	Available