

# YIC TCXO & VCTCXO (TX/VTX Series)

(V)TX Series:(Voltage-Controlled) Temperature Compensation Crystal Oscillator 1.000 - 150.000MHz

## ● SPECIFICATION

Frequency Range	1.000 - 150.000MHz	
Input Voltage (VDD)	1.8V - 12.0V	
Frequency Stability	Vs. Temperature	±1.0 ~ ±5.0PPM
	Vs. Supply Voltage	±0.3PPM max / VDD±5%
	Vs. Aging	±1.0PPM per year
	Vs. Load	±0.3PPM / 10K Ω // 10pF ± 10%
Operation Temperature	-40°C ~ +85°C ( Optional , See below)	
Storage Temperature	-40°C ~ +85°C	
Linearity (VCTCXO only)	10% max	
Current Consumption	Clipped sine wave : 2.0mA max TTL / CMOS : 3~25mA max	
Output Voltage	Clipped sine wave : 0.8V <sub>P-P</sub> min at +0.3V 1.0V <sub>P-P</sub> min at +5.0V TTL : V <sub>OH</sub> =2.4V <sub>min</sub> V <sub>OL</sub> =0.4V <sub>min</sub> CMOS V <sub>OH</sub> =90% V <sub>DDmin</sub> , V <sub>OL</sub> =10%V <sub>DDmin</sub>	
Symmetry	TTL : 40~60% at 1.4V CMOS:40~60% at 0.5V <sub>DD</sub>	
Load	10KΩ//10pF	
Frequency Adjustment Range	±3PPMmin	

## ● PART NUMBERING

Type	Package Code	Input Voltage	Output Code	Operation Temperature	Frequency	Stability	Trimmer Access	Custom Speci.
	SMD Type :	1.8: 1.8V	C: Clipped	1 : -10 ~ +60°C		0.5: ± 0.5PPM	T: With Trimmer	*
	11106: 11.4x9.6x2.5(H)mm ,6P	2.8: 2.8V	Sine Wave	Blank : -10 ~ +70°C		1: ± 1.0PPM	Blank:Without	
TX:TCXO	11104: 11.4x9.6x2.5(H)mm ,4P	3: 3V	T: TTL/CMOS	2 : -20 ~ +70°C	In MHz	1.5: ± 1.5PPM	Trimmer	
VTX:VCTCXO	754C: 7.0x5.0x2.0(H)mm ,4P	3.3: 3.3V	Square Wave	28 : -20 ~ +85°C		2: ± 2.0PPM		
	754T: 7.0x5.0x2.3(H)mm ,4P	5: 5V		3 : -30 ~ +75°C		2.5: ± 2.5PPM		
	534C: 5.0x3.2x1.2(H)mm ,4P	8: 8V		38 : -30 ~ +85°C		3: ± 3.0PPM		
	534T: 5.0x3.2x1.5(H)mm ,4P	9: 9V		I: -40 ~ +85°C		5: ± 5.0PPM		
	324C: 3.0x2.5x0.9(H)mm ,4p	10: 10V		A: -40 ~ +105°C				
	324T: 3.0x2.5x1.0(H)mm ,4p	12: 12V		B: -40 ~ +125°C				
	(※"C" for Clipped Sine Wave "T" for TTL/CMOS)			C: -55 ~ +125°C				
	Through-Hole Type:			X: Custom				
	1812: 18.3x11.7x4.8(H) mm							
	2013: 20.3x12.8x7.5(H) mm							
	1313: 12.8x12.8x7.5(H) mm							