TCXO & VCTCXO (TX216C / VTX216C Series)

(V)TX Series:(Voltage-Controlled) Temperature Compensation Crystal Oscillators 10.000 - 52.000MHz

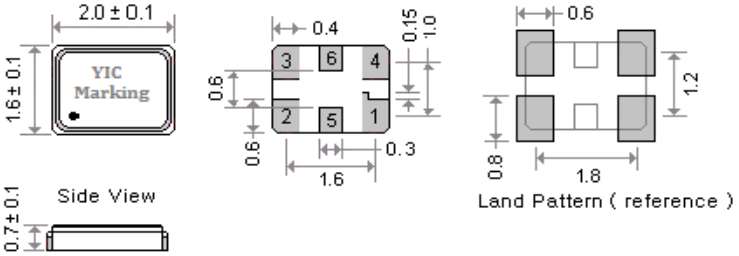
● SPECIFICATION

Frequency Range		26.000 - 52.000MHz				
Input Voltage (V_{DD})		1.8V - 3.3V				
Frequency Stability	Vs. Temperature	±0.5 ~ ±2.5PPM				
	Vs. Supply Voltage	±0.2PPM max / V_{DD} ±5%				
	Vs. Aging	±1.0PPM per year				
	Vs. Load	±0.2PPM				
Operation Temperature		-40°C ~ +85°C (Optional , See below)				
Storage Temperature		-40°C ~ +85°C				
Linearity (VCTCXO only)	Control Voltage Range	1.8V	2.5V	3.0V / 3.3V		
		0.9V±0.6V	1.4V±1.0V	1.5V±1.0V		
	Pulling Range	±5.0PPM min. , Positive				
	Input Impedance	500KΩ min.				
Current Consumption		2.5mA max				
Output Voltage		Clipped Sine Wave : 0.8V p-p min				
Load		10KΩ // 10pF				
Phase Noise (dBc/Hz typ.)		Offset	10Hz	100Hz	1KHz	10KHz	100KHz
		13.0 MHz	-80	-115	-135	-148	-148

● PART NUMBERING

Type	Packing Code	Input Voltage	Output Code	Operation Temperature	Frequency	Stability	Trimmer	Custom Speci.
TX:TCXO VTX:VCTCXO	SMD Type: 11106C : 11.4x9.6x2.5(H)mm,6P 11106T : 11.4x9.6x2.5(H)mm,6P 11104C : 11.4x9.6x2.5(H)mm,4P 11104T : 11.4x9.6x2.5(H)mm,4P 754C : 7.0x5.0x2.3(H)mm,4P 754T : 7.0x5.0x2.3(H)mm,4P 534C : 5.0x3.2x1.2(H)mm,4P 534T : 5.0x3.2x1.3(H)mm,4P 324C : 3.2x2.5x1.0(H)mm,4P 324T : 3.2x2.5x1.0(H)mm,4P 224C : 2.5x2.0x0.8(H)mm,4P 214C : 2.0x1.6x0.7(H)mm,4P 216C : 2.0x1.6x0.7(H)mm,6P Through-Hole Type: 2013C : 20.3x12.8x7.0(H)mm 2013T : 20.3x12.8x7.0(H)mm 1812C : 18.4x11.7x4.7(H)mm 1812T : 18.4x11.7x4.7(H)mm 1313C : 12.2x12.8x5.5(H)mm 1313T : 12.2x12.8x5.5(H)mm (※ " C " for Clipped Sine Wave) (※ " T " for CMOS)	1.8 : 1.8V 2.5 : 2.5V 2.8 : 2.8V 3 : 3V 3.3 : 3.3V 5 : 5V 8 : 8V 9 : 9V 10 : 10V 12 : 12V A : 1.8~3.3V B : 2.5~3.3V	C : Clipped Sine Wave 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	In MHz	0.5 : ±0.5PPM 1 : ±1.0PPM 1.5 : ±1.5PPM 2 : ±2.0PPM 2.5 : ±2.5PPM 3 : ±3.0PPM 5 : ±5.0PPM	T : With Trimmer Blank : Without Trimmer	*

● DIMENSIONS (UNIT : mm)



Pad Connections :

Pad 1	Control voltage for VCTCXO ; Ground for TCXO .
Pad 2	Ground
Pad 3	Output
Pad 4	Input Voltage
Pad 5	No connection
Pad 6	No connection