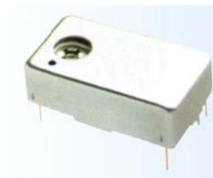


Temperature Compensated Crystal Oscillator

TCXO TC18 Series

Features

- Good Frequency Stability
- Low Phase Noise
- RoHS Compliant / Pb Free



Specifications

Frequency Range	1.000 Mhz to 40.000Mhz		
Frequency Stability vs. Temperature	$\pm 0.5\text{ppm}$ (0 to $+50^{\circ}\text{C}$)		
	$\pm 1.0\text{ppm}$ (-10 to $+60^{\circ}\text{C}$)		
	$\pm 1.5\text{ppm}$ (-20 to $+70^{\circ}\text{C}$)		
	$\pm 2.0\text{ppm}$ (-40 to $+85^{\circ}\text{C}$)		
Aging	$\pm 1.0\text{ppm Max.}$		
vs Load Change of $\pm 10\%$	$\pm 0.2\text{ppm Max.}$		
vs Supply Voltage Change of	$\pm 0.2\text{ppm Max}$		
Operating Temperature	0°C to $+50^{\circ}\text{C}$ ~ -40°C to $+85^{\circ}\text{C}$		
Storage Temperature Range	-40°C to $+100^{\circ}\text{C}$		
Supply Voltage	$5.0\text{V} \pm 5\%$ or $3.0\text{V} \pm 10\%$		
Output	Waveform	Clipping Sine	TTL/HCMOS Sine Wave
	Load	$10\text{K}\Omega/10\text{pF}$	$10\text{TTL}/15\text{pF}$ $50\text{K}\Omega$
	Level/Voltage	$>1\text{Vpp}$	$\text{VoH}: 2.4\text{V}/90\%\text{V}$ $>2\text{dB}$
			$\text{VoL}: 0.4\text{V}/10\%\text{V}$ Harmonic Supperssion: $>25\text{dB}$
Current		10mA or 20mA	Noise Suppression: $>75\text{dB}$
Rise/Fall Time	6nS Max		
Symmetry	40/60% or 45/55%		
Phase Noise	at 10Hz, - 70dBc/Hz		
	at 100Hz, - 100dBc/Hz		
	at 1KHz, - 130dBc/Hz		
	at 10KHz, - 140dBc/Hz		
	at 100KHz, - 145dBc/Hz		

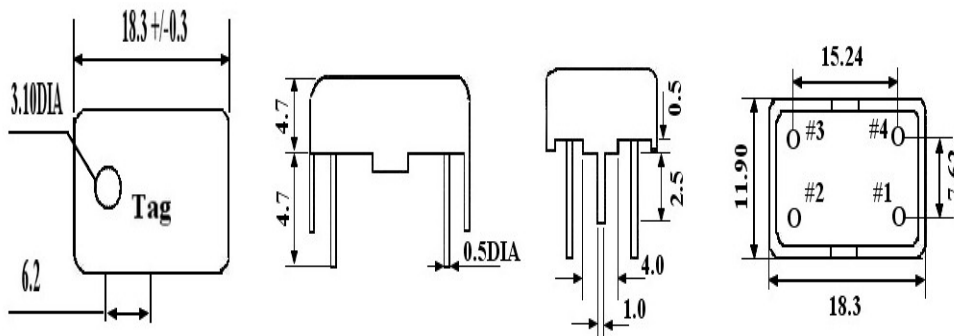
Temperature Compensated Crystal Oscillator

TCXO TC18 Series

How to order

TC18	27.12M	5	T	1
Series	Frequency	Input Voltage	Output code	Frequency Stability VS. Temperature Range
TC14	20= 20Mhz	5 = 5V	T =TTL/HCMOS	0 = $\pm 0.5\text{ppm}$ (0 ~ +50°C)
TC18	25= 25Mhz	3 =3.3V	S = Sine Wave	1 = $\pm 1.0\text{ppm}$ (-10 ~ +60°C)
	30= 30Mhz			2 = $\pm 1.5\text{ppm}$ (-20 ~ +70°C)
	40= 40Mhz			3 = $\pm 2.0\text{ppm}$ (-40 ~ +85°C)

Dimensions (mm)



* Pin Configuration

#1	NC or Vcontrol
#2	Ground
#3	Output
#4	VDD

MSC