



PAD	CONNECTION
1	Ground or Freq adjustment
2	Ground
3	Output
4	Supply

Scale 3:1

## Specifications

**GTXO-81T: TCXO, no frequency adjustment**

**GTXO-81V: TCXO with VC frequency adjustment**

Parameters	Variant		Option Codes
	T	V	
<b>Frequency range:</b> 10.0 ~ 40.0MHz	■	■	
<b>Frequency stability:</b> ±3.0ppm	□	□	K
±2.5ppm	■	■	J
±2.0ppm	□	□	H
±1.5ppm	□	□	G
<b>Temperature range:</b> 0 to +50°C	□	□	R
-10 to +60°C	□	□	C
-20 to +70°C	□	□	N
-30 to +75°C	■	■	S
<b>Storage temperature range:</b> -40 to +85°C	■	■	
<b>Frequency vs supply voltage:</b> ±0.2ppm, V <sub>DD</sub> ±5%	■	■	
<b>Ageing:</b> ±1.0ppm max first year	■	■	
<b>Supply voltage (V<sub>DD</sub>):</b> +2.7V ~ +5.0V (see note below)	■	■	
<b>Supply current:</b> 2.0mA max	■	■	
<b>Output waveform:</b> Clipped sine, 0.8V p-p	■	■	
<b>Test load:</b> 10kΩ // 10pF	■	■	
<b>Start up time:</b> 3ms max	■	■	
<b>Frequency adjustment:</b> None ±8ppm min, +1.5 ±1.0V	■	■	
<b>Phase noise:</b> -50dBc/Hz typ @ 1Hz	■	■	
-80dBc/Hz typ @ 10Hz	■	■	
-125dBc/Hz typ @ 1kHz	■	■	
-140dBc/Hz typ @ 100kHz	■	■	
<b>Stability 24hrs after reflow:</b> ±1.0ppm max	■	■	
<b>Preset frequency:</b> ±0.5ppm / +25°C ±2°C	■	■	

■ Standard. □ Optional - Please specify required code(s) when ordering

## Features

- ▶ **Supply voltages from 2.7V ~ 5.0V**
- ▶ **Low power consumption**
- ▶ **Miniature SM package**
- ▶ **Excellent frequency stability**

## Standard Frequencies

Frequencies in MHz	
12.80000	16.38400
13.00000	19.20000
14.40000	19.44000
15.00000	19.68000
15.36000	26.00000
16.00000	

## Ordering Information

Product name + variant + option codes + frequency  
 Option codes must be included to properly specify a model.  
 eg: **GTXO-81V/JS 13.00MHz** ±2.5ppm -30+75°C, TCXO with VC  
**GTXO-81T/HN 14.40MHz** ±2.0ppm -20+70°C, TCXO no VC  
 Option code X (eg GTXO-81V/X) denotes a custom spec.

- ◆ Available on T&R - 1k pcs per reel.
- ◆ Refer to our website for T&R and soldering details.
- ◆ Will operate within specification on any supply voltage from +2.7V to +5.0V.