



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

Scale 3:1

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	

Specifications

GTXO-81T: TCXO, no frequency adjustment

GTXO-81V: TCXO with VC frequency adjustment

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

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

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.