



Scale 3:1

Features

- ▶ **Supply voltages from 2.7V ~ 5.5V**
- ▶ **Low power consumption**
- ▶ **1.9mm maximum height**
- ▶ **Excellent frequency stability**

Standard Frequencies

Frequencies in MHz		
10.00000	14.40000	19.44000
12.80000	15.36000	19.68000
13.00000	19.20000	19.80000

Frequency Stability vs Temperature

The table shows option codes for the available combinations of frequency stability (in ppm) and temperature range.

	±3.0	±2.5	±2.0	±1.5	±1.0
-30 to +75°C	KS	JS	HS	GS*	FS*
-20 to +70°C	KN	JN	HN	GN	FN*
-10 to +60°C	KC	JC	HC	GC	FC
0 to +50°C	KR	JR	HR	GR	FR

* Limited availability. Please confirm before designing or ordering

Specifications

GTXO-71T: TCXO, no frequency adjustment

GTXO-71V: TCXO with VC frequency adjustment

Parameters	Variant		Option Codes
	T	V	
Frequency range: 10.0 ~ 20.0MHz	■	■	
Frequency stability:			
±3.0ppm	□	□	K
±2.5ppm	■	■	J
±2.0ppm	□	□	H
±1.5ppm	□	□	G
±1.0ppm	□	□	F
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:			
±0.3ppm	■	■	
Ageing: ±1.0ppm max first year	■	■	
Supply voltage (V_{DD}):			
+2.7V ~ +5.5V (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	■	■	
±4ppm min, +1.5V ±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-71V/JS 13.00MHz** ±2.5ppm -30/+75°C TCXO with VC

GTXO-71T/HN 14.40MHz ±2.0ppm -20/+70°C TCXO no VC

Option code X (eg GTXO-71V/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 +5.5V.