



CONNECTION		
PAD	Variant T	Variants V & N
1	Ground	Ground
2	Ground	Ground
3	Output	Output
4	Ground	Ground
5	Not connected	Freq adjustment
6	Supply	Supply

Scale 2:1

Features

-  **3.0V to 5.0V supply, low power consumption**
-  **Stabilities down to $\pm 1.0\text{ppm}$**
-  **Industrial temperature range option**

Ordering Information

Product name + variant + option codes (if any) + frequency
 eg: **GTXO-566V 13.0MHz** $\pm 2.5\text{ppm}$ -30+75°C, 3V supply (standard)
GTXO-566V/GP 13.0MHz $\pm 1.5\text{ppm}$ -20+70°C, 5V supply
 Option code X (eg GTXO-566V/X) denotes a custom spec.

- ◆ Available on T&R - 2k pcs per reel.
- ◆ Refer to our website for T&R and soldering details.

Specifications

GTXO-566T: Internal trimmer

GTXO-566V: Voltage adjustment + internal trimmer

GTXO-566N: Voltage adjustment, no trimmer

Parameters	Variant			Option Codes
	T	V	N	
Package style: with trimmer without trimmer	■	■	■	
Frequency range: 10.0 ~ 40.0MHz	■	■	■	
Frequency stability: $\pm 2.5\text{ppm}$ over -40 to +85°C $\pm 2.5\text{ppm}$ over -30 to +75°C $\pm 2.0\text{ppm}$ over -30 to +75°C $\pm 1.5\text{ppm}$ over -20 to +70°C $\pm 1.0\text{ppm}$ over -20 to +70°C	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	K H G F
Storage temperature range: -40 to +85°C	■	■	■	
Frequency vs supply voltage: $\pm 0.3\text{ppm}$ (<22.0MHz) $\pm 0.5\text{ppm}$ (<28.0MHz) $\pm 1.0\text{ppm}$ (<40.0MHz)	■	■	■	
Frequency vs load change: $\pm 0.3\text{ppm}$ (10k Ω $\pm 10\%$ //10pF $\pm 10\%$)	■	■	■	
Ageing (1st yr): $\pm 1.0\text{ppm}$ (<22.0MHz) $\pm 1.5\text{ppm}$ (<28.0MHz) $\pm 2.0\text{ppm}$ (<40.0MHz)	■	■	■	
Supply voltage (V_{DD}): +3.0V ($\pm 5\%$) +3.3V ($\pm 5\%$) +5.0V ($\pm 5\%$)	■ <input type="checkbox"/> <input type="checkbox"/>	■ <input type="checkbox"/> <input type="checkbox"/>	■ <input type="checkbox"/> <input type="checkbox"/>	M P
Supply current: 2.0mA max (<22.0MHz) 3.0mA max (<28.0MHz) 4.0mA max (<40.0MHz)	■	■	■	
Output waveform: Clipped sine, 0.8V p-p typ	■	■	■	
Test load: 10k Ω // 10pF	■	■	■	
Frequency adjustment: $\pm 3\text{ppm}$ min by internal trimmer $\pm 5.0 \sim \pm 10.0\text{ppm}$ $\pm 8.0 \sim \pm 14.0\text{ppm}$	■	■	■	
Control voltage range: +1.5V $\pm 1.0\text{V}$ (3.0V supply) +1.65V $\pm 1.35\text{V}$ (3.3V supply) +2.5V $\pm 2.0\text{V}$ (5.0V supply)		■ <input type="checkbox"/> <input type="checkbox"/>	■ <input type="checkbox"/> <input type="checkbox"/>	
Preset frequency: $\pm 0.5\text{ppm}$ / +25°C $\pm 2^\circ\text{C}$ $\pm 2.0\text{ppm}$ / +25°C $\pm 2^\circ\text{C}$	■	■	■	

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

Standard Frequencies

Frequencies in MHz			
10.00000	13.00000	15.36000	19.68000
12.80000	14.40000	16.00000	20.00000