



PIN	CONNECTION
1	Control voltage
7	Ground
8	Output
14	Supply

Scale 1:1

## Features

- ▶▶▶▶ **Fundamental mode for improved phase noise**
- ▶▶▶▶ **5.0V supply**
- ▶▶▶▶ **Low cost for volume applications**
- ▶▶▶▶ **Choice of pullability & stability**
- ▶▶▶▶ **Express deliveries for non-standard items**
- ▶▶▶▶ **Industrial temperature range option**

## Specifications

Parameters	Product	Option Codes
	GVXO-45F	
<b>Frequency range:</b> 33.0 ~ 50.0MHz	■	
<b>Voltage control:</b> +2.5V ±2.5V, 10% linearity >100kΩ input impedance	■ ■	
<b>Frequency pullability (min):</b> ±80ppm ±150ppm ±200ppm	<input type="checkbox"/> ■ <input type="checkbox"/>	N S W
<b>Frequency stability (max):</b> ±100ppm ±50ppm ±25ppm ±20ppm ±15ppm	<input type="checkbox"/> <input type="checkbox"/> ■ <input type="checkbox"/> <input type="checkbox"/>	A B C D E
<b>Ageing:</b> ±5.0ppm max per year	■	
<b>Operating temperature range:</b> -10 to +70°C -40 to +85°C	■ <input type="checkbox"/>	I
<b>Storage temperature range:</b> -55 to +125°C	■	
<b>Supply voltage (V<sub>DD</sub>):</b> +5.0V (±5%)	■	
<b>Supply current:</b> 35mA max	■	
<b>Driving ability:</b> 30pF HCMOS 5 LSTTL	■ ■	
<b>Logic levels:</b> '0' level = +0.4V max '1' level = 90%V <sub>DD</sub> min	■ ■	
<b>Waveform symmetry @ 50%V<sub>DD</sub>:</b> 40:60 max	■	
<b>Rise / fall time:</b> 6ns max (0.4V ~ 90%V <sub>DD</sub> min)	■	

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

## Ordering Information

Product + option codes + frequency  
 eg: **GVXO-45F/SC 49.1520MHz** ±150ppm pullability, ±25ppm stability  
 Option codes must be included to specify a model completely.  
 Option code X (eg GVXO-45F/X) denotes a custom spec.

♦ ±15ppm and ±20ppm stability may not be available over -40+85°C, depending on frequency. Check with our sales office.