



PAD	CONNECTION
1	Control voltage
2	Enable / disable
3	Ground
4	Output
5	Not connected
6	Supply

Scale 2:1

## Features

- ▶ **3.3V supply**
- ▶ **Fundamental mode crystal up to 78.0MHz**
- ▶ **Choice of pullability & stability**
- ▶ **Enable / disable tristate function**
- ▶ **Miniature SM package**

## Standard Frequencies

Frequencies in MHz		
2.04800	14.31818	32.76800
3.08800	15.36000	34.36800
4.09600	16.38400	35.32800
6.14400	18.43200	36.00000
8.19200	19.44000	38.88000
10.00000	20.00000	40.96000
10.24000	20.48000	44.73600
11.52000	24.57600	49.15200
12.28800	24.70400	51.84000
12.35200	26.00000	61.44000
12.62400	28.63636	77.76000

Other frequencies available. Please consult our sales office.

## Specifications

Parameters	Product	Option Codes
	GVXO-53F	
<b>Frequency range:</b> 1.0 ~ 78.0MHz	■	
<b>Voltage control:</b> +1.65V ±1.5V, 10% linearity	■	
<b>Frequency pullability (min):</b> ±50ppm ±100ppm Other	<input type="checkbox"/> ■ <input type="checkbox"/>	N S specify
<b>Frequency stability:</b> ±100ppm ±50ppm ±25ppm Other	<input type="checkbox"/> ■ <input type="checkbox"/> <input type="checkbox"/>	A B C specify
<b>Operating temperature range:</b> -10 to +70°C -40 to +85°C	■ <input type="checkbox"/>	I
<b>Storage temperature range:</b> -40 to +85°C	■	
<b>Supply voltage (V<sub>DD</sub>):</b> +3.3V (±0.3V)	■	
<b>Supply current:</b> 15mA max (1.0 ~ 30.0MHz) 25mA max (>30.0 ~ 45.0MHz)	■ ■	
<b>Driving ability:</b> 15pF CMOS	■	
<b>Logic levels:</b> '0' level = 10%V <sub>DD</sub> max '1' level = 90%V <sub>DD</sub> min	■ ■	
<b>Output current:</b> '0' level = 4.0mA min '1' level = -1.0mA min	■ ■	
<b>Waveform symmetry:</b> 40:60 max	■	
<b>Rise / fall time:</b> 5ns max (20%~80%V <sub>DD</sub> )	■	
<b>Start up time:</b> 10ms max	■	
<b>Enable / disable function:</b> Tristate (control via pad 2)	■	
<b>Enable / disable time:</b> 150ns / 150ns max	■	

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

## Enable / Disable Function

Input (pad 2)	Output (pad 4)
Open	Enabled
'1' level	Enabled
'0' level	High Impedance

## Ordering Information

Product + option codes + frequency

eg: **GVXO-53F/SB 19.440MHz** ±100ppm pullability, ±50ppm stability

**GVXO-53F/NC 34.3680MHz** ±50ppm pullability, ±25ppm stability

Option codes must be included to specify a model completely.

Option code X (eg GVXO-53F/X) denotes a custom spec.

◆ Available on T&R - 2k pcs per reel.

◆ Refer to our website for T&R and soldering details.