



PAD	CONNECTION
1	Control voltage
2	Ground
3	Ground
4	Output
5	Supply
6	Enable / disable

Features

- ▶ **3.3V supply**
- ▶ **Fundamental mode crystal up to 52.0MHz**
- ▶ **Choice of pullability & stability**
- ▶ **Enable / disable tristate function**
- ▶ **Miniature SM package**

Enable / Disable Function

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

Specifications

Parameters	Product	Option Codes
	GVXO-513	
Frequency range: 2.0 ~ 52.0MHz	■	
Voltage control: +1.65V ±1.5V, 10% linearity	■	
Frequency pullability (min): ±100ppm Other	■ □	S specify
Frequency stability: ±100ppm ±50ppm Other	□ ■ □	A B specify
Operating temperature range: -10 to +70°C -40 to +85°C	■ □	I
Storage temperature range: -55 to +125°C	■	
Supply voltage (V_{DD}): +3.3V (±5%)	■	
Supply current: 15mA max (2.0 ~ 30.0MHz) 25mA max (>30.0 ~ 52.0MHz)	■ ■	
Driving ability: 15pF CMOS	■	
Logic levels: '0' level = 10%V _{DD} max '1' level = 90%V _{DD} min	■ ■	
Waveform symmetry: 40:60 max @ 50%V _{DD}	■	
Rise / fall time: 5ns max (20%~80%V _{DD})	■	
Start up time: 10ms max	■	
Enable / disable function: Tristate (control via pad 1)	■	
Enable / disable time: 300ns / 300ns max	■	

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

Ordering Information

Product + option codes + frequency
 eg: **GVXO-513/SA 19.440MHz** ±100ppm pullability, ±100ppm stability
GVXO-513/SB 34.3680MHz ±100ppm pullability, ±50ppm stability
 Option codes must be included to specify a model completely.
 Option code X (eg GVXO-513/X) denotes a custom spec.

- ◆ Available on T&R - 1k or 2k pcs per reel.
- ◆ Refer to our website for T&R and soldering details.