



Scale 3:1

## Features

- Ceramic package with metal lid
- High drive capability - up to 50pF
- Enable / disable tristate function
- 3.3V option with power saving function

## Standard Frequencies

Frequencies in MHz		
1.84320	16.00000	32.00000
2.00000	18.43200	33.86880
3.68640	20.00000	36.86400
4.00000	24.00000	40.00000
5.00000	24.57600	44.23680
8.00000	25.00000	44.73600
10.00000	27.00000	48.00000
12.00000	29.49120	49.15200
14.31818	30.00000	50.00000

Other frequencies available. Please consult our sales office.

## Enable / Disable Function

Input (pad 1)	Output (pad 3)
Open	Enabled
'1' level	Enabled
'0' level	High Impedance

## Specifications

**GXO-U113S:** 5.0V supply, E/D, low supply current

**GXO-U113H:** 5.0V supply, E/D high drive

**GXO-U113L:** 3.3V supply, E/D with power saving

Parameters	Variant			Option Codes
	S	H	L	
<b>Frequency range:</b> 1.8 ~ 50.0MHz	■	■	■	
<b>Frequency stability:</b> ±100ppm ±50ppm ±25ppm	■ □ □	■ □ □	■ □ □	B A
<b>Operating temperature range:</b> -10 to +70°C -40 to +85°C	■ □	■ □	■ □	I
<b>Storage temperature range:</b> -55 to +125°C	■	■	■	
<b>Supply voltage (V<sub>DD</sub>):</b> +5.0V (±10%) +3.3V (±10%)	■	■	■	
<b>Supply current (mA max):</b> 1.8 ~ 32.0MHz >32.0 ~ 50.0MHz	25 35	27 45	12 17	
<b>Logic levels:</b> '0' level = 10%V <sub>DD</sub> max '1' level = 90%V <sub>DD</sub> min	■ ■	■ ■	■ ■	
<b>Start up time:</b> 5ms max (<32MHz) 10ms max (>32MHz)	■ ■	■ ■	■ ■	
<b>Waveform symmetry:</b> 40:60 max @ 50%V <sub>DD</sub>	■	■	■	
<b>Driving ability:</b> 10 LSTTL 15pF HCMOS 10 TTL 50pF HCMOS	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	
<b>Rise / fall time:</b> 10ns max 7ns max	■ ■	■ ■	■ ■	
<b>Enable / disable function:</b> Tristate (control via pad 1) 100ns / 100ns max 10ms / 150ns max	■ ■ ■	■ ■ ■	■ ■ ■	
<b>Stand-by current (power-saving):</b> 10µA	■	■	■	

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

## Ordering Information

Product name + variant + option codes (if any) + frequency

eg: **GXO-U113H 40.0MHz** 5V, ±100ppm -10+70°C

**GXO-U113L/BI 40.0MHz** 3.3V, ±50ppm -40+85°C

Option code X (eg GXO-U113H/X) denotes a custom spec.

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