



PIN	CONNECTION	PIN
1	Enable/Disable	1
7	Ground	4
8	Output	5
14	Supply	8

## Features

- ▶ Enable / disable tristate mode
- ▶ Tight tolerance options
- ▶ Express manufacturing service
- ▶ Custom frequencies easily available
- ▶ Low cost for volume applications
- ▶ Industrial temperature range option

## Enable / Disable Function

Input (pin 1)	Output (pin 5 or 8)
Open	Enabled
'1' level	Enabled
'0' level	High Impedance

## Specifications

**GXO-U103F: Full size(14 pin DIL)**

**GXO-U103H: Half size (8 pin DIL)**

Parameters	Variant		Option Codes
	F	H	
<b>Package style:</b> 14 pin DIL (full size) 8 pin DIL (half size)	■	■	
<b>Frequency range:</b> 125kHz ~ 200MHz	■	■	
<b>Frequency stability:</b> ±100ppm ±50ppm ±25ppm Other	■ □ □ □	■ □ □ □	B A specify
<b>Operating temperature range:</b> 0 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> +3.3V (±5%)	■	■	
<b>Supply current (max):</b> 10mA (125kHz ~ 0.99MHz) 15mA (1.0 ~ 5.0MHz) 20mA (>5.0 ~ 24.0MHz) 25mA (>24.0 ~ 70.0MHz) 35mA (>70.0 ~ 90.0MHz) 45mA (>90 ~ 200MHz)	■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■	
<b>Driving ability:</b> 30pF HCMOS / 5 LSTTL	■	■	
<b>Output voltage:</b> '0' level = 0.4V max '1' level = 90% V <sub>DD</sub> min	■ ■	■ ■	
<b>Start up time:</b> 10ms max	■	■	
<b>Rise / fall times:</b> 6ns max (<80.0MHz) 5ns max (>80.0MHz)	■ ■	■ ■	
<b>Waveform symmetry @ 50% V<sub>DD</sub>:</b> 45:55 max (<50.0MHz) 40:60 max (>50.0MHz)	■ ■	■ ■	
<b>Enable / disable function:</b> Tristate (control via pin 1)	■	■	
<b>Output enable/disable time (typ):</b> 100ns / 100ns	■	■	

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

## Ordering Information

Product name + variant + option codes (if any) + frequency  
 eg: **GXO-U103F 40.0MHz** ±100ppm 0+70°C (standard)  
**GXO-U103F/BI 40.0MHz** ±50ppm -40+85°C  
 Option code X (eg GXO-U103F/X) denotes a custom spec.

♦ Gull wing version available for SM. Refer to our website for details.