



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

Scale 1:1

## Features

- Enable / disable tristate mode
- High drive capability - up to 50pF
- 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-U101F: Full size(14 pin DIL)**

**GXO-U101H: 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 ~ 160MHz	■	■	
<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> +5.0V (±5%)	■	■	
<b>Supply current (max):</b> 15mA (125kHz ~ 0.99MHz) 20mA (1.0 ~ 5.0MHz) 25mA (>5.0 ~ 24.0MHz) 30mA (>24.0 ~ 70.0MHz) 40mA (>70.0 ~ 90.0MHz) 50mA (>90.0 ~ 160MHz)	■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■	
<b>Driving ability:</b> 50pF HCMOS / 10 LSTTL (<50.0MHz) 30pF HCMOS / 5 LSTTL (>50.0MHz)	■ ■	■ ■	
<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-U101F 40.0MHz** ±100ppm 0+70°C (standard)

**GXO-U101F/BI 40.0MHz** ±50ppm -40+85°C

Option code X (eg GXO-U101F/X) denotes a custom spec.

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