

| PIN | CONNECTION    | PIN |
|-----|---------------|-----|
| 1   | Not connected | 1   |
| 7   | Ground        | 4   |
| 8   | Output        | 5   |
| 14  | Supply        | 8   |

Scale 1:1

## Specifications






**GXO-U100F: Full size (14 pin DIL)**

**GXO-U100H: Half size (8 pin DIL)**

| Parameters   | Variant  |  | Option Codes      |
|--|--|--|-------------------|
|  | F  | H  |                   |
| <b>Package style:</b> 14 pin DIL (full size)<br>8 pin DIL (half size)  | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>  |                   |
| <b>Frequency range:</b><br>125kHz ~ 160MHz   | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>  |                   |
| <b>Frequency stability:</b><br>±100ppm<br>±50ppm<br>±25ppm<br>Other  | <input checked="" type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/>  | <input checked="" type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/>  | B<br>A<br>specify |
| <b>Operating temperature range:</b><br>0 to +70°C<br>-40 to +85°C  | <input checked="" type="checkbox"/><br><input type="checkbox"/>  | <input checked="" type="checkbox"/><br><input type="checkbox"/>  | I                 |
| <b>Storage temperature range:</b><br>-55 to +125°C   | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>  |                   |
| <b>Supply voltage (V<sub>DD</sub>):</b> +5.0V (±5%)  | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>  |                   |
| <b>Supply current (max):</b><br>15mA (125kHz ~ 0.99MHz)<br>20mA (1.0 ~ 5.0MHz)<br>25mA (>5.0 ~ 24.0MHz)<br>30mA (>24.0 ~ 70.0MHz)<br>40mA (>70.0 ~ 90.0MHz)<br>50mA (>90.0 ~ 160MHz) | <input checked="" type="checkbox"/><br><input checked="" type="checkbox"/><br><input checked="" type="checkbox"/><br><input checked="" type="checkbox"/><br><input checked="" type="checkbox"/><br><input checked="" type="checkbox"/> | <input checked="" type="checkbox"/><br><input checked="" type="checkbox"/><br><input checked="" type="checkbox"/><br><input checked="" type="checkbox"/><br><input checked="" type="checkbox"/><br><input checked="" type="checkbox"/> |                   |
| <b>Driving ability:</b><br>50pF HCMOS / 10 LSTTL (<50.0MHz)<br>30pF HCMOS / 5 LSTTL (>50.0MHz)   | <input checked="" type="checkbox"/><br><input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/><br><input checked="" type="checkbox"/>   |                   |
| <b>Output voltage:</b><br>'0' level = 0.4V max<br>'1' level = 90% V <sub>DD</sub> min  | <input checked="" type="checkbox"/><br><input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/><br><input checked="" type="checkbox"/>   |                   |
| <b>Start up time:</b> 10ms max   | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>  |                   |
| <b>Rise / fall times:</b><br>6ns max (<80.0MHz)<br>5ns max (>80.0MHz)  | <input checked="" type="checkbox"/><br><input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/><br><input checked="" type="checkbox"/>   |                   |
| <b>Waveform symmetry @ 50% V<sub>DD</sub>:</b><br>45:55 max (<50.0MHz)<br>40:60 max (>50.0MHz)   | <input checked="" type="checkbox"/><br><input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/><br><input checked="" type="checkbox"/>   |                   |

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

## Features

-  **Standard frequencies held in stock**
-  **Express manufacturing service**
-  **Custom frequencies easily available**
-  **Low cost for volume applications**
-  **Industrial temperature range option**

## Standard Frequencies

| Frequencies in MHz |          |          |
|--------------------|----------|----------|
| 1.00000            | 11.28960 | 28.63600 |
| 1.84320            | 12.00000 | 29.49120 |
| 2.00000            | 14.31818 | 30.00000 |
| 2.45760            | 14.74560 | 32.00000 |
| 3.68640            | 16.00000 | 33.33000 |
| 4.00000            | 16.38400 | 33.86880 |
| 4.09600            | 18.43200 | 40.00000 |
| 4.91520            | 19.66080 | 48.00000 |
| 5.00000            | 20.00000 | 50.00000 |
| 6.00000            | 24.00000 | 60.00000 |
| 8.00000            | 24.57600 | 64.00000 |
| 8.19200            | 25.00000 | 66.00000 |
| 9.83040            | 25.17500 | 72.00000 |
| 10.00000           | 28.32200 | 80.00000 |

Other frequencies available. Please consult our sales office.

## Ordering Information

Product name + variant + option codes (if any) + frequency  
e.g: **GXO-U100F 40.0MHz** ±100ppm 0+70°C (standard)

**GXO-U100F/BI 40.0MHz** ±50ppm -40+85°C

Option code X (eg GXO-U100F/X) denotes a custom spec.

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