



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

Scale 1:1

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.

Specifications

GXO-U100F: Full size (14 pin DIL)

GXO-U100H: Half size (8 pin DIL)

| Parameters | Variant | | Option Codes |
|--|---------------------------------|---------------------------------|-------------------|
| | F | H | |
| Package style: 14 pin DIL (full size) 8 pin DIL (half size) | ■ | ■ | |
| Frequency range: 300kHz ~ 160MHz | ■ | ■ | |
| Frequency stability: ±100ppm ±50ppm ±25ppm Other | ■ □ □ □ | ■ □ □ □ | B A specify |
| Operating temperature range: 0 to +70°C -40 to +85°C | ■ □ | ■ □ | I |
| Storage temperature range: -55 to +125°C | ■ | ■ | |
| Supply voltage (V_{DD}): +5.0V (±5%) | ■ | ■ | |
| Supply current (max): 15mA (300kHz ~ 5.0MHz) 20mA (>5.0 ~ 24.0MHz) 30mA (>24.0 ~ 40.0MHz) 45mA (>40.0 ~ 60.0MHz) 60mA (>60.0 ~ 80.0MHz) 70mA (>80.0 ~ 110MHz) 50mA (>110 ~ 160MHz) | ■ ■ ■ ■ ■ ■ ■ | ■ ■ ■ ■ ■ ■ ■ | |
| Driving ability: 50pF HCMOS / 10 TTL (<50.0MHz) 30pF HCMOS / 5 LSTTL (>50.0MHz) | ■ ■ | ■ ■ | |
| Output voltage: '0' level = 0.4V max '1' level = 90% V _{DD} min | ■ ■ | ■ ■ | |
| Start up time: 10ms max | ■ | ■ | |
| Rise / fall times: 6ns max (<80.0MHz) 5ns max (>80.0MHz) | ■ ■ | ■ ■ | |
| Waveform symmetry @ 50% V_{DD}: 45:55 max (<50.0MHz) 40:60 max (>50.0MHz) | ■ ■ | ■ ■ | |

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

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.

- ◆ Preferred choice for leaded oscillator.
- ◆ Gull wing version available for SM. Refer to our website for details.