



Scale 3:1

Features

- ▶ Ceramic package with metal lid
- ▶ Standard frequencies held in stock
- ▶ Enable / disable tristate function
- ▶ Power saving option
- ▶ Competitive pricing

Standard Frequencies

| Frequencies in MHz | | |
|--------------------|----------|----------|
| 1.84320 | 20.00000 | 40.00000 |
| 2.00000 | 24.00000 | 44.23680 |
| 3.68640 | 24.57600 | 48.00000 |
| 4.00000 | 25.00000 | 50.00000 |
| 5.00000 | 29.49120 | 60.00000 |
| 8.00000 | 30.00000 | 64.00000 |
| 10.00000 | 32.00000 | 66.66600 |
| 12.00000 | 32.76800 | 70.00000 |
| 14.31818 | 33.86880 | 80.00000 |
| 16.00000 | 36.86400 | |

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

| Parameters | Product | Option Codes |
|---|---|--------------|
| | GXO-6431 | |
| Frequency range: 0.50 ~ 125MHz | ■ | |
| Frequency stability: ±100ppm ±50ppm ±25ppm | ■ □ □ | B A |
| Operating temperature range: -10 to +70°C -40 to +85°C | ■ □ | I |
| Storage temperature range: -55 to +125°C | ■ | |
| Supply voltage (V_{DD}): +3.3V (±5%) | ■ | |
| Supply current (max): 10mA (0.5 ~ 14.9MHz) 15mA (15.0 ~ 29.9MHz) 20mA (30.0 ~ 39.9MHz) 25mA (40.0 ~ 49.9MHz) 30mA (50.0 ~ 59.9MHz) 35mA (60.0 ~ 79.9MHz) 45mA (80.0 ~ 99.9MHz) 50mA (100 ~ 125MHz) | ■ ■ ■ ■ ■ ■ ■ ■ ■ | |
| Logic levels: '0' level = 10%V _{DD} max '1' level = 90%V _{DD} min | ■ ■ | |
| Start up time: 10ms max | ■ | |
| Waveform symmetry: 45:55 max 40:60 max (>50.0 ~ 125MHz) | ■ ■ | |
| Driving ability: 15pF HCMOS (*see note) | ■ | |
| Rise / fall time: 10ns max 6ns max (>40.0MHz) | ■ ■ | |
| Enable / disable function: None (pad 1 not connected) Standard tristate, no power saving (E/D times 100ns / 100ns) Power-saving, standby current 10µA (E/D times 10ms / 100ns) | □ ■ □ | N P |

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

* Note: will drive up to 50pF, but figures for rise/fall and supply current may vary from those shown. For details, contact our sales office.

Ordering Information

Product name + option codes (if any) + frequency

eg: **GXO-6431 8.0MHz** 3.3V, ±100ppm, -10+70°C

GXO-6431/BIP 40.0MHz 3.3V, ±50ppm, -40+85°C, power-saving

- ◆ Available on T&R - 1k pcs per reel.
- ◆ Refer to our website for T&R and soldering details.