



| PAD | CONNECTION     |
|-----|----------------|
| 1   | Enable/Disable |
| 2   | Not connected  |
| 3   | Ground         |
| 4   | Output 1       |
| 5   | Output 2       |
| 6   | Supply         |

Scale 2:1

## Specifications

| Parameters  | Product     | Option Codes |
|---|-------------|--------------|
|   | GXO-E71     |              |
| <b>Frequency range:</b> 75.0 ~ 170MHz                               | ■           |              |
| <b>Frequency stability*:</b> ±100ppm<br>±50ppm<br>±25ppm            | ■<br>□<br>□ | B<br>A       |
| <b>Operating temperature range:</b><br>-10 to +70°C<br>-40 to +85°C | ■<br>□      | I            |
| <b>Storage temperature range:</b><br>-55 to +125°C                  | ■           |              |
| <b>Supply voltage (V<sub>DD</sub>):</b><br>+3.3V (±5%)              | ■           |              |
| <b>Supply current:</b> 60mA max                                     | ■           |              |
| <b>Output:</b> Complementary LV-PECL                                | ■           |              |
| <b>Test load:</b> R <sub>TT</sub> (Ω)<br>V <sub>TT</sub> (V)        | 50<br>+1.3  |              |
| <b>Logic levels:</b> '0' level = 1.7V max<br>'1' level = 2.2V min   | ■<br>■      |              |
| <b>Start up time:</b> 10ms max                                      | ■           |              |
| <b>Waveform symmetry:</b><br>40:60 max @ 50%V <sub>p-p</sub>        | ■           |              |
| <b>Rise / fall time:</b><br>1.0ns max (20 ~ 80%V <sub>p-p</sub> )   | ■           |              |
| <b>Enable / disable function:</b><br>Tristate (control via pad 1)   | ■           |              |
| <b>Output enable / disable time:</b><br>10 ms / 100ns max           | ■           |              |
| <b>Stand-by current:</b> 10µA max                                   | ■           |              |

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

\* Frequency stability is inclusive of calibration @ 25°C, operating temperature range, supply voltage change, load change, ageing, shock and vibration.

## Features

- ▶ Complementary LV-PECL outputs
- ▶ Enable / disable tristate function
- ▶ Power saving function
- ▶ Fast rise / fall times

## Standard Frequencies

| Frequencies in MHz |          |
|--------------------|----------|
| 100.0000           | 155.5200 |
| 106.2500           | 156.2500 |
| 125.0000           |          |

## Ordering Information

Product name + option codes (if any) + frequency

eg: **GXO-E71 106.250MHz** ±100ppm -10+70°C

**GXO-E71/BI 77.760MHz** ±50ppm -40+85°C

Option code X (eg GXO-E71/X) denotes a custom spec.

## Enable / Disable Function

| Input (pad 1)                                  | Output 1 (pad 4)                     | Output 2 (pad 5)                     |
|--|--------------------------------------|--------------------------------------|
| Open<br>'1' level (≥0.7V)<br>'0' level (≤0.3V) | Enabled<br>Enabled<br>High Impedance | Enabled<br>Enabled<br>High Impedance |