



| 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 | |
| Frequency range: 75.0 ~ 170MHz | ■ | |
| 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: 60mA max | ■ | |
| Output: Complementary LV-PECL | ■ | |
| Test load: R _{TT} (Ω) V _{TT} (V) | 50 +1.3 | |
| Logic levels: '0' level = 1.7V max '1' level = 2.2V min | ■ ■ | |
| Start up time: 10ms max | ■ | |
| Waveform symmetry: 40:60 max @ 50%V _{p-p} | ■ | |
| Rise / fall time: 1.0ns max (20 ~ 80%V _{p-p}) | ■ | |
| Enable / disable function: Tristate (control via pad 1) | ■ | |
| Output enable / disable time: 10 ms / 100ns max | ■ | |
| Stand-by current: 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 '1' level (≥0.7V) '0' level (≤0.3V) | Enabled Enabled High Impedance | Enabled Enabled High Impedance |