



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

Scale 2:1

Features

- ▢ Differential outputs
- ▢ Enable / disable tristate function
- ▢ Power saving function
- ▢ Fast rise / fall times

Standard Frequencies

Frequencies in MHz	
100.0000	125.0000
106.2500	155.5200
108.0000	156.2500

Specifications

Parameters	Product	Option Codes
	GXO-L71	
Frequency range:	62.50 ~ 250MHz	■
Frequency stability*:	±100ppm ±50ppm ±25ppm	■ □ □
Operating temperature range:	-10 to +70°C -40 to +85°C	■ □
Storage temperature range:	-55 to +125°C	■
Supply voltage (V _{DD}):	+3.3V (±5%)	■
Supply current:	66mA max	■
Output:	LVDS	■
Offset voltage:	1.25V typ	■
Differential output voltage:	0.247V ~ 0.454V (0.33V typ)	■
Output load:	100Ω	■
Start up time:	10ms max	■
Waveform symmetry:	45:55 max @ 50%V _{p-p}	■
Rise / fall time:	0.7ns max (20 ~ 80%V _{p-p})	■
Enable / disable function:	Tristate (control via pad 1)	■
Output enable / disable time:	10 ms / 200ns max	■
Stand-by current:	30μA 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.

Ordering Information

Product name + option codes (if any) + frequency

eg: **GXO-L71 80.0MHz** ±100ppm -10+70°C

GXO-L71/BI 125.0MHz ±50ppm -40+85°C

Option code X (eg GXO-L71/X) denotes a custom spec.

Enable / Disable Function

Input (pad 1)	Output 1 (pad 4)	Output 2 (pad 5)
Open	Enabled	Enabled
'1' level (≥0.7V _{DD})	Enabled	Enabled
'0' level (≤0.3V _{DD})	High Impedance	High Impedance