



Features

- ▶ Complementary LV-PECL or PECL outputs
- ▶ Fast rise / fall times
- ▶ Popular telecomms package layout
- ▶ Enable / disable tristate function

Enable / Disable Function

Input (pad 2)*	Output 1 (pad 4)	Output 2 (pad 5)
Open	Active	Active
'1' level V_{IH}	High ('1')	Low ('0')
'0' level V_{IL}	Active	Active

* Note: GVXO-34L: '0' level = $V_{IL} \leq +1.7V$, '1' level = $V_{IH} \geq +2.2V$
 GVXO-34S: '0' level = $V_{IL} \leq +3.40V$, '1' level = $V_{IH} \geq +3.9V$

Specifications

GVXO-34L: +3.3V supply

GVXO-34S: +5.0V supply

Parameters	Variant		Option Codes
	L	S	
Frequency range: 50.0 ~ 800MHz 50.0 ~ 170MHz	■	■	
Voltage control (V_{CTL}): +1.65V \pm 1.5V, 10% linearity +2.5V \pm 2.0V, 10% linearity	■	■	
Frequency pullability: \pm 80ppm min \pm 100ppm min Other	■	■	specify
Frequency stability*: \pm 50ppm max Other	■	■	specify
Operating temperature range: -10 to +70°C	■	■	
Storage temperature range: -40 to +85°C	■	■	
Supply voltage (V_{CC}): +3.3V (\pm 5%) +5.0V (\pm 5%)	■	■	
Supply current (mA max): 50.0 ~ 170MHz 170 ~ 800MHz	60 120	80	
Output: Complementary LV-PECL Complementary PECL	■	■	
Test load: R_{TT} (Ω) V_{TT} (V)	50 1.3	50 3.0	
Logic levels: '0' level (V max) '1' level (V min)	1.7 2.2	3.4 3.9	
Waveform symmetry: 40:60 max @ 50% V_{p-p}	■	■	
Start up time: 10ms max	■	■	
Rise / fall time: 0.5ns max (20% ~ 80% V_{p-p})	■	■	
Enable / disable function: Control via pad 2 None (pad 2 NC)	■ □	■ □	N
Soldering condition: Reflow, 240°C 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 and ageing, with $V_{CTL} = 50\% V_{CC}$

Ordering Information

Product name + variant + option codes (if any) + frequency
 eg: **GVXO-34L 77.760MHz** 3.3V, with E/D

GVXO-34S/N 155.520MHz 5.0V, no E/D

Option code X (eg GVXO-34S/X) denotes a combination of values not listed above.

- ◆ Available on T&R - 1k pcs per reel. Refer to our website for details.
- ◆ Some combinations of stability/pullability are not available