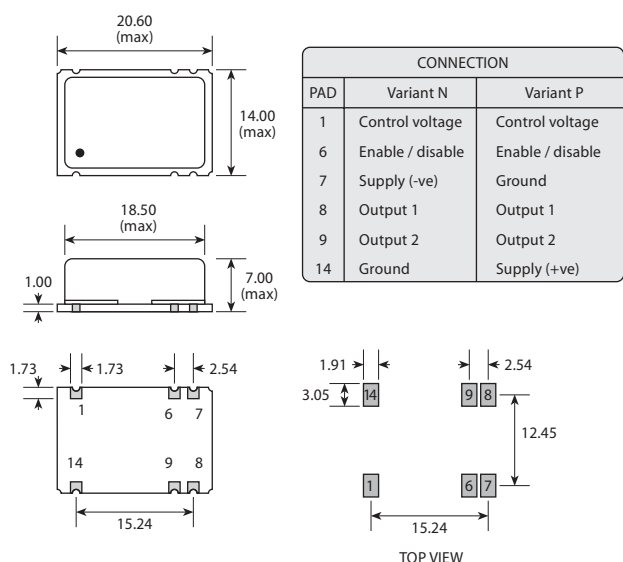
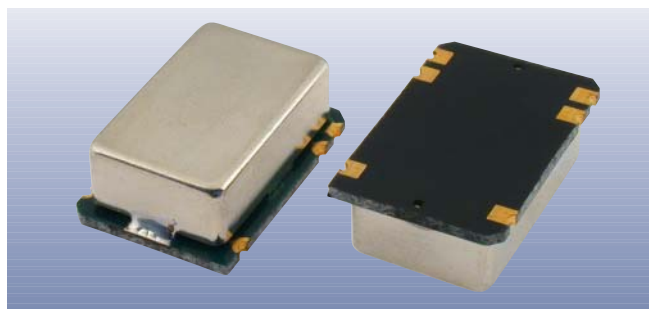




Features

- Fundamental mode crystal @ 150~160MHz x 4
- Complementary ECL or PECL output
- Fast rise / fall times
- Enable / disable tristate function
- Metal SM package with glass epoxy base

Enable / Disable Function

Input (pad 6) *	Output 1 (pad 8)	Output 2 (pad 9)
Open	Active	Active
'1' level V_{IH}	High ('1')	Low ('0')
'0' level V_{IL}	Active	Active

* Note: GVXO-38N: '0' level = $V_{IL} \leq -1.60V$, '1' level = $V_{IH} \geq -1.02V$
 GVXO-38P: '0' level = $V_{IL} \leq +3.40V$, '1' level = $V_{IH} \geq +3.9V$

Specifications

GVXO-38N: Negative supply

GVXO-38P: Positive supply

Parameters	Variant		Option Codes
	N	P	
Frequency range: 622.08MHz 666.51428MHz 669.32658MHz Other (600 ~ 700MHz)	■ ■ ■ □	■ ■ ■ □	specify
Voltage control (V_{CTL}): -2.5V $\pm$ 2.0V, 10% linearity, -ve slope +2.5V $\pm$ 2.0V, 10% linearity, +ve slope	■	■	
Frequency pullability: $\pm$ 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: -5.2V ($\pm$ 5%) +5.0V ($\pm$ 5%)	■	■	
Supply current: 120mA max	■	■	
Output: Complementary ECL Complementary PECL	■	■	
Test load: R_{TT} (Ω) V_{TT} (V)	50 -2.0	50 +3.0	
Logic levels: '0' level (V max) '1' level (V min)	-1.60 -1.16	+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 6	■	■	
Soldering condition: Reflow, 240°C max	■	■	

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

* Pullability is inclusive of calibration @ 25°C, operating temperature range, supply voltage change, load change and ageing, with $V_{CTL} = -2.5V / +2.5V$

Ordering Information

Product name + variant + frequency

eg: **GVXO-38N 622.08MHz** -5.2V supply

Option code X (eg GVXO-38P/X) denotes a combination of values not listed above.

- ◆ Available on T&R - 500pcs per reel. Refer to our website for details.
- ◆ Some combinations of stability/pullability are not available