



Features

- ▶ Fundamental mode crystal up to 50MHz
- ▶ High frequency CMOS output
- ▶ Low jitter and fast rise / fall times
- ▶ Metal SM package with glass epoxy base

Specifications

Parameters	Product	Option Codes
	GVXO-36	
Frequency range:	12.0 ~ 80.0MHz	■
Voltage control (V_{CTL}):	+2.5V \pm 2.0V, 10% linearity	■
Frequency pullability (min):	\pm 50ppm \pm 100ppm Other	<input type="checkbox"/> ■ <input type="checkbox"/>
Frequency stability*:	\pm 50ppm \pm 25ppm Other	■ <input type="checkbox"/> <input type="checkbox"/>
Operating temperature range:	-10 to +70°C -40 to +85°C	■ <input type="checkbox"/>
Storage temperature range:	-40 to +85°C	■
Supply voltage (V_{DD}):	+5.0V (\pm 5%)	■
Supply current:	50mA max	■
Driving ability:	15pF CMOS	■
Logic levels:	'0' level = 10% V_{DD} max '1' level = 90% V_{DD} min	■ ■
Waveform symmetry:	40:60 max @ 50% V_{DD}	■
Start up time:	10ms max	■
Rise / fall time:	3ns max (20% ~ 80% V_{DD})	■
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 $V_{CTL} = 2.5V$

Ordering Information

Product + option codes + frequency

eg: **GVXO-36/SB 19.440MHz** \pm 100ppm pullability, \pm 50ppm -10+70°C

GVXO-36/NCI 77.760MHz \pm 50ppm pullability, \pm 25ppm -40+85°C

Option codes must be included to specify a model completely.

Option code X (eg GVXO-36/X) denotes a custom spec.

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