

# GVXO-25

## 5V VCXO High Performance

- Wide pullability
- Encapsulated crystal for high reliability
- Fundamental mode for improved phase noise
- Choice of pullability & stability combinations
- HCMOS / TTL compatible output



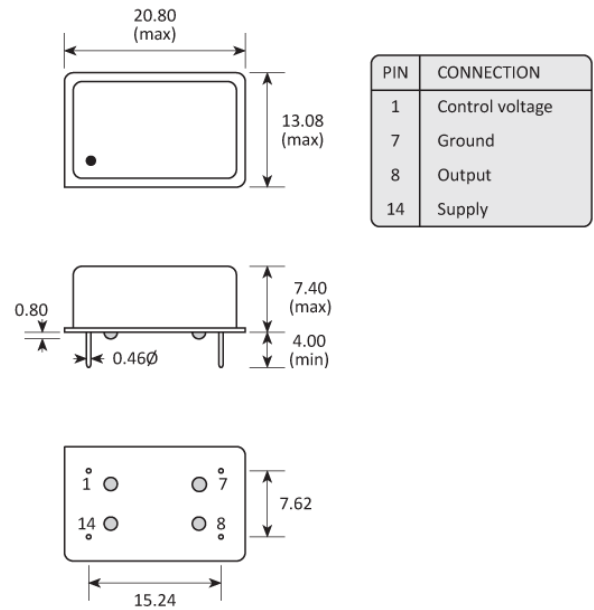
### CONFIGURABLE OPTIONS

Parameter	Option Code
Frequency	
Frequency pullability	
Any	
±50ppm min	N
±100ppm min	S
±200ppm min	W
Frequency stability	
Any	
±50ppm max	B
±25ppm max	C

## SPECIFICATIONS

Frequency range	1.0 ~ 52.0MHz
Dimensions	20.8 x 13.08 x 7.4mm
Control voltage range	+2.5V $\pm$ 2.0V, 10% linearity
Operating temperature range	-10 to +70 °C
Storage temperature range	-30 to +85 °C
Supply voltage (V <sub>DD</sub> )	+5.0V ( $\pm$ 5%)
Supply current	15mA max (1.0 ~ 24.0MHz) 20mA max (>24.0 ~ 30.0MHz) 30mA max (>30.0 ~ 52.0MHz)
Driving ability	15pF HCMOS 8 LSTTL
Logic levels	'0' level = +0.5V max '1' level = +4.5V min
Output current	'0' level=3.2mA min (<30.0MHz) '0' level=12.8mA min (>30.0MHz) '1' level=0.1mA min (<30.0MHz) '1' level=1.0mA min (>30.0MHz)
Waveform symmetry @ 50%V <sub>DD</sub>	40:60 max
Rise / fall time	10ns max (<30.0MHz) 5ns max (>30.0MHz)
Start up time	10ms max

## PACKAGE DRAWING



Dimensions in mm

## ORDERING INFORMATION

To request a quotation for the GVXO-25 please use the configurable options form to choose the options you require and then submit your configured product to our team. Our expert advisers are always happy to help with your requirements and can be contacted on +44 1460 256 100 or at [sales@golledge.com](mailto:sales@golledge.com).

Following product selection you will be issued with a seven character Golledge part number. Your Golledge part number is the internationally accepted Golledge manufacturing part number (MPN) that should be used for all project documentation, including bills of materials (BoMs) and purchase orders.

If you have any queries regarding any of our documentation our dedicated sales team will be happy to help.

## HANDLING & STORAGE



Human Body Model (HBM) 1A (250V to < 500V)



Moisture Sensitivity Level (MSL): 1

## CONSTRUCTION

Resistance weld

## MATERIAL COMPOSITION



Lead-free (< 0.1% by weight )



Product is RoHS 2 compliant

## OTHER INFORMATION

### About Golledge

We are the UK's leading supplier of frequency control products and are proud to serve the global electronics industry. Our philosophy is a focus firmly on your requirements by striving to meet and exceed your needs. We do this by ensuring the utmost quality and consistency in our products and services. If you have any queries about the Golledge service or any of our products please get in touch, we'd love to hear from you.

### Come and visit

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Our customer feedback is testament to our quality; "Never had such good service as this from anyone in 35 years of being in the industry, this is impressive and has really helped us out of a corner to keep the design flowing" Andy (Senior Design Engineer), "As always your support is state of the art" Nicoleta (Material Management), "Legendary work - as usual it has to be said" John (Operations).  
To take advantage of our highly praised service get in touch with us today.