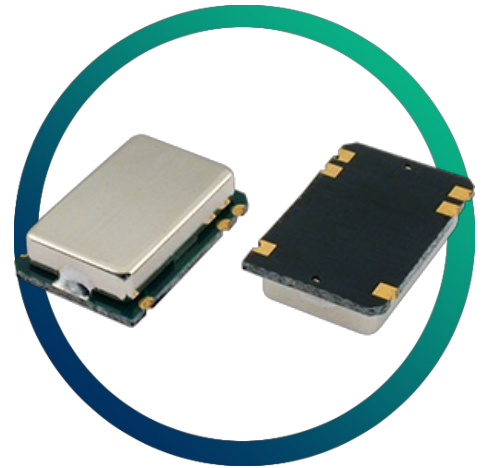


# GVXO-37P

## VCXO - Complementary ECL/PECL VHF Range

- Fundamental mode crystal up to 50MHz
- Complementary ECL / PECL outputs
- Fast rise / fall times
- Enable / disable tristate function
- Metal SM package with glass epoxy base



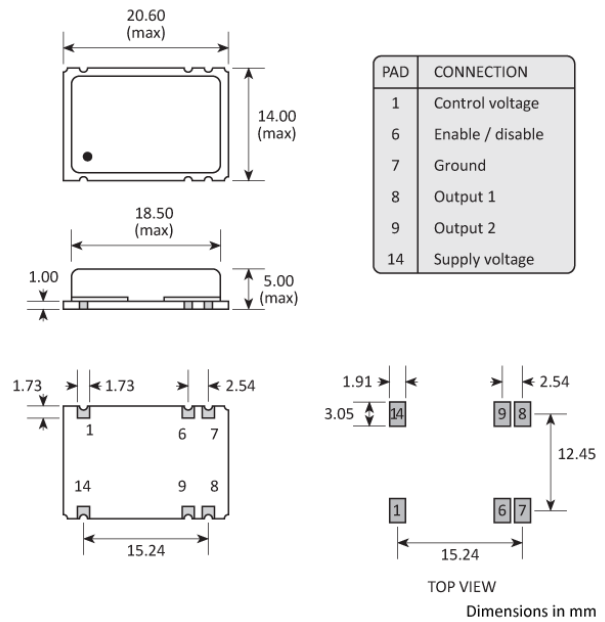
### CONFIGURABLE OPTIONS

Parameter	Option Code
Frequency	
Frequency pullability	
±100ppm min	
Frequency stability	
* see note below	
±50ppm max	

## SPECIFICATIONS

Frequency range	12.0 ~ 170MHz
Dimensions	20.6 x 14.0 x 5.0mm
Voltage control ( $V_{CTL}$ )	+2.5V $\pm$ 2.0V, 10% linearity, +ve slope
Operating temperature range	-10 to +70 °C
Storage temperature range	-40 to +85 °C
Supply voltage	+5.0V ( $\pm$ 5%)
Supply current	80mA max
Output	Complementary PECL
Test load	$R_{TT} = 50\Omega$ $V_{TT} = +3.0V$
Logic levels	'0' level = +3.4V max '1' level = +3.9V min
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

## PACKAGE DRAWING



## ORDERING INFORMATION

To request a quotation for the GVXO-37P 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.

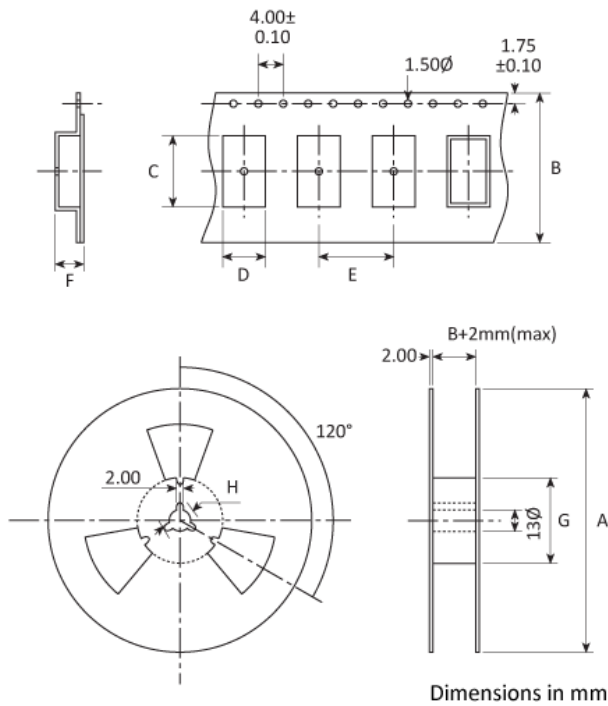
If you have any queries regarding any of our documentation our dedicated sales team will be happy to help.

## 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

'0' level =  $V_{IL} \leq +3.40V$ , '1' level =  $V_{IH} \geq +3.90V$

## TAPE & REEL SPECIFICATION



A:330 B:32 C:21.1 D:14.6 E:20 F:5.2 G:100 H:21

## CONSTRUCTION

Metal can with glass epoxy base

## HANDLING & STORAGE



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



Moisture Sensitivity Level (MSL): 1

## COMPLIANCE



RoHS compliant with no exemptions.