

# GVXO-338L

## CMOS 3.3V surface mount VCXO with low current consumption

- Wide pulling range
- Low current consumption
- 3.3V supply
- Miniature SM package
- Competitive pricing



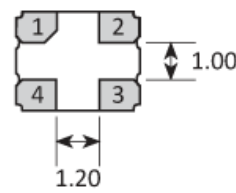
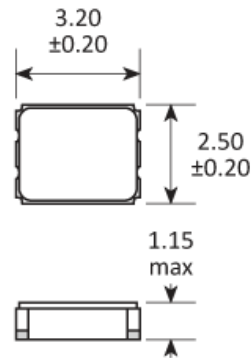
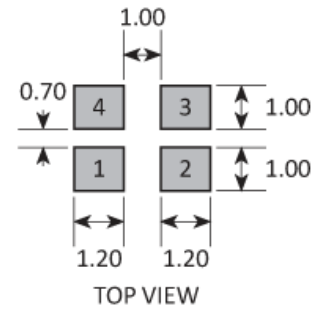
### CONFIGURABLE OPTIONS

Parameter	Option Code
Frequency	
Frequency pullability	
±90ppm min	R
±100ppm min	S
Frequency stability * see note below	
Any	
±50ppm max	B
±25ppm max	C
Operating temperature range	
Any	
-20 to +70°C	
-40 to +85°C	I

\* Frequency stability is inclusive of calibration @ 25°C, operating temperature range, supply voltage change, load change and first year ageing, with  $V_{CTL} = 50\%V_{DD}$

**SPECIFICATIONS**

Frequency range	1.250 ~ 125.0MHz
Dimensions	3.2 x 2.5 x 1.15mm
Voltage control	+1.65V ±1.5V, 10% linearity
Storage temperature range	-40 to +85°C
Supply voltage (V <sub>DD</sub> )	+3.3V (±5%)
Supply current	13mA max
Driving ability	15pF CMOS
Logic levels	'0' level = 10%V <sub>DD</sub> max '1' level = 90%V <sub>DD</sub> min
Waveform symmetry	40:60 max @ 50%V <sub>DD</sub>
Rise / fall time (20%~80%V <sub>DD</sub> )	5ns max
Start up time	10ms max
Net mass	27.1mg

**PACKAGE DRAWING**

**SOLDER PAD LAYOUT**


PAD	CONNECTION
1	Control voltage
2	Ground
3	Output
4	Supply

Dimensions in mm

**MARKING**

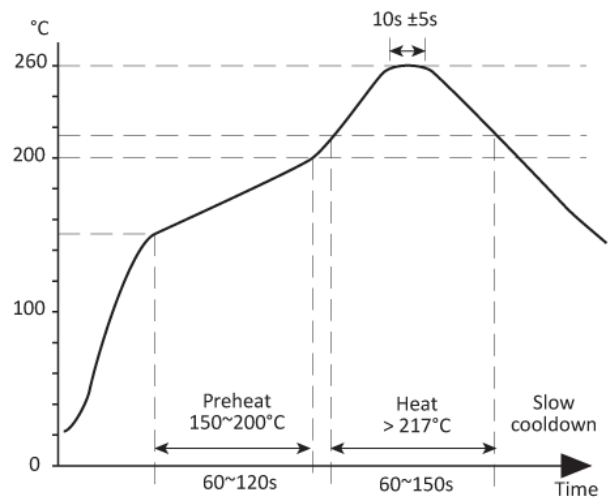
FREQUENCY DC  
 • PARTNO

• Pin 1  
 Marking type: Laser

DC = Date Code in YM, eg. "GF" = Jun 2017

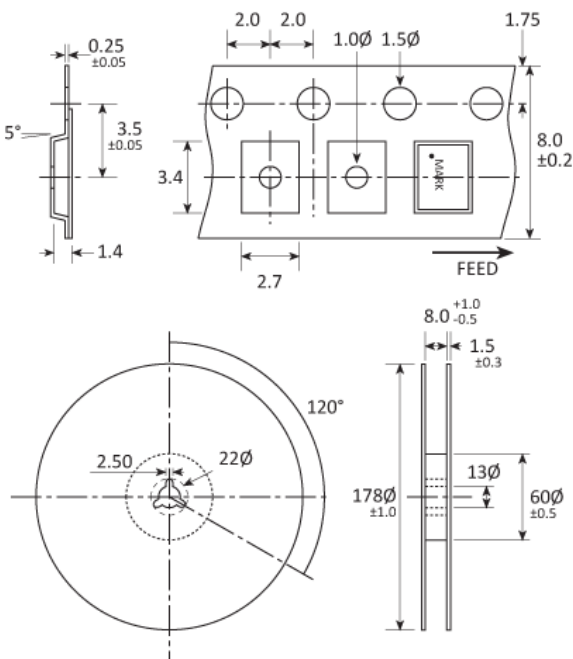
	A	B	C	D	E	F	G	H	J	K	L	M
Y	1	2	3	4	5	6	7	8	9	0		
M	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

**SOLDERING PROFILE**



Lead free solderability limits: 260°C ±5°C x 10s ±5s x 2.  
 Solder resistance: 260°C x 10 secs x 2.

**TAPE & REEL SPECIFICATION**



Dimensions in mm

**HANDLING & STORAGE**



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



Moisture Sensitivity Level (MSL): 1 (or not applicable)

## CONSTRUCTION

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Ceramic body with gold-plated pads


Metal lid


Seam sealed

## COMPLIANCE


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Please refer to our **DOCUMENTS** section for more information.


 Lead-free (< 0.1% by weight)

 RoHS compliant with no exemptions.

 REACH compliant.

 Free of conflict minerals.

 Free from halogens.

 Free from ozone-depleting substances.