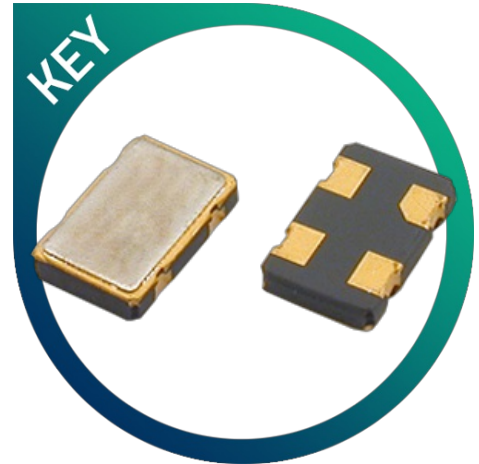


# GXO-5301L

## Miniature 2.5V-3.3V Low Current Consumption Oscillator

- Low current consumption
- Enable / disable tristate function
- Competitive pricing



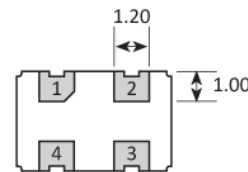
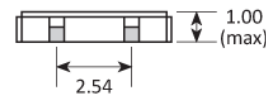
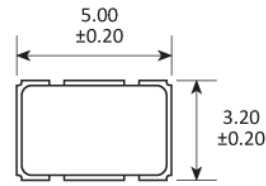
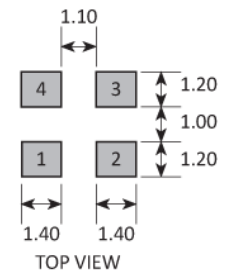
### CONFIGURABLE OPTIONS

Parameter	Option Code
Frequency	
Frequency stability * see note below	
Any	
±100ppm	
±50ppm	B
±25ppm	A
Operating temperature range	
Any	
-10 to +70 °C	
-40 to +85 °C	I
-40 to +105 °C	D

\* Frequency stability is inclusive of calibration @ 25 °C, operating temperature range, supply voltage change, load change, shock and vibration.

**SPECIFICATIONS**

Frequency range	0.50 ~ 156.25MHz
Dimensions	5.0 x 3.2 x 1.0mm
Storage temperature range	-55 to +125°C
Supply voltage ( $V_{DD}$ )	+1.8V ( $\pm 5\%$ ) +2.5V ~ 3.3V ( $\pm 5\%$ ) (see note 1)
Supply current	7.0 mA max ( $\leq 20.0$ MHz) 13.0mA max ( $>20.0 \sim 40.0$ MHz) 19.0mA max ( $>40.0 \sim 60.0$ MHz) 35mA max ( $>60.0 \sim 100$ MHz) 40mA max ( $>100 \sim 125$ MHz) 45mA max ( $>125 \sim 156$ MHz)
Logic levels	'0' level = 10% $V_{DD}$ max '1' level = 90% $V_{DD}$ min
Start up time	10ms max
Waveform symmetry	45:55 @ 50% $V_{DD}$
Driving ability	15pF CMOS
Rise / fall time	10ns max ( $<40$ MHz) 7ns max (40~125MHz) 2ns max ( $>125$ MHz)
Enable / disable function	Tristate (control via pad 1)

**PACKAGE DRAWING**

**SOLDER PAD LAYOUT**


PAD	CONNECTION
1	Enable/Disable
2	Ground
3	Output
4	Supply

Dimensions in mm

\* **GXO-5301L will operate within specification on any supply voltage from +2.5V to +3.3V. Supply current will vary with supply voltage. Figures shown are for 3.3V supply.**

## ORDERING INFORMATION

To request a quotation for the GXO-5301L 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).

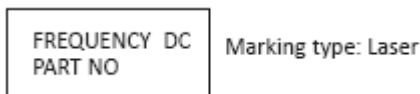
Following product selection you will be issued with a seven character Golledge part number. Your Golledge part number is the internationally accepted Golledge manufacturing part number (MPN) that should be used for all project documentation, including bills of materials (BoMs) and purchase orders.

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

## ENABLE / DISABLE FUNCTION

Input (pad 1)	Output (pad 3)
Open	Enabled
'1' level	Enabled
'0' level	High Impedance

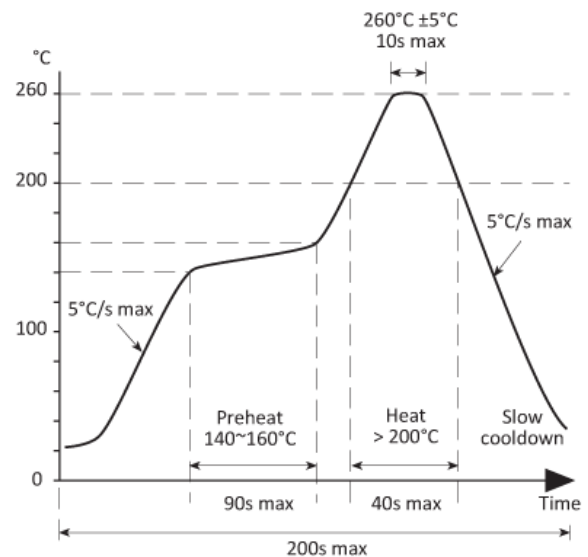
## MARKING



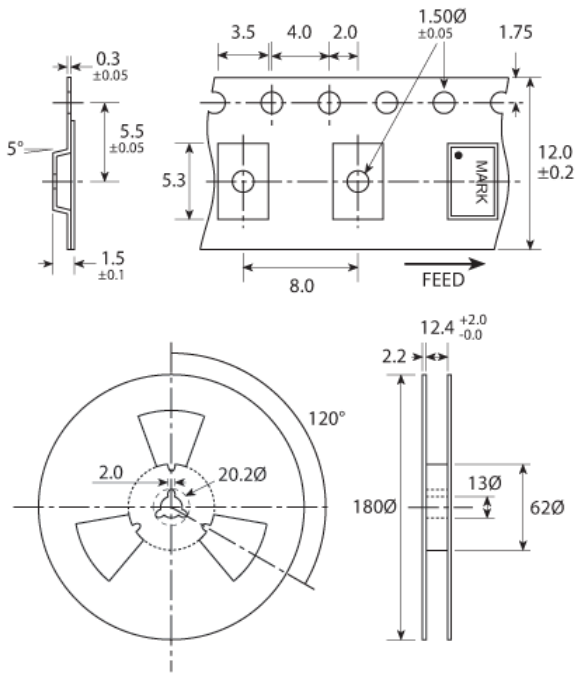
DC = Date Code in YM, eg. "GF" = Jun 2017

	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



**TAPE & REEL SPECIFICATION**



Dimensions in mm

**CONSTRUCTION**

Ceramic body with gold-plated pads  
Metal lid, seam sealed

**HANDLING & STORAGE**



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



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

**MATERIAL COMPOSITION**



Lead-free (< 0.1% by weight)



RoHS 2 compliant with no exemptions. [See our declaration](#)



REACH compliant. [See our statement](#)



Free of conflict minerals. [See our declaration](#)



Free of Halogens. [See our declaration](#)



Free of Ozone-depleting substances. [See our declaration](#)

## 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.

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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.