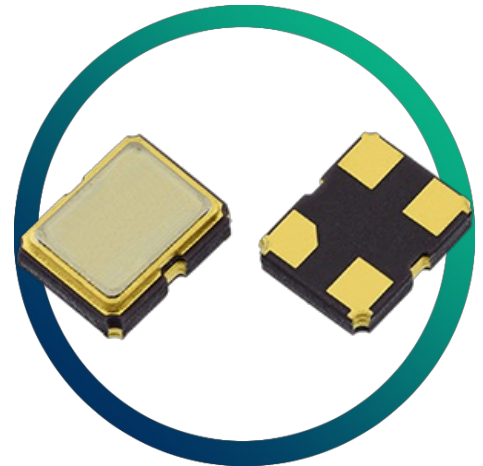


GXO-3306G

3225 Package Ultra-Low Jitter 1.8V

Oscillator

- Excellent phase noise & jitter characteristics
- Enable / disable tristate function
- Small and medium quantities also available



CONFIGURABLE OPTIONS

Parameter	Option Code
Frequency	
Frequency stability * see note below	
Any	
±25ppm	A
±50ppm	B

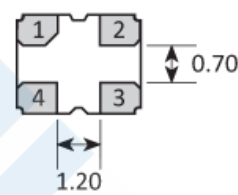
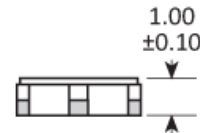
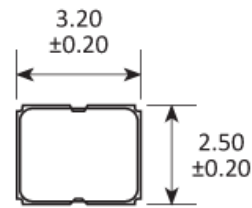
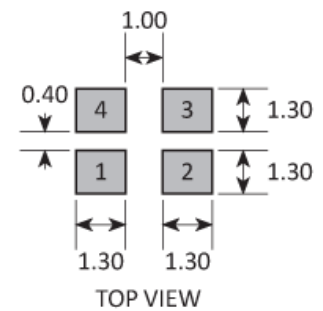
* Frequency stability is inclusive of calibration @ 25°C, operating temperature range, supply, voltage change, load change, shock and vibration.



Singel 3 | B-2550 Kontich | Belgium | Tel. +32 (0)3 458 30 33
 info@alcom.be | www.alcom.be
 Rivium 1e straat 52 | 2909 LE Capelle aan den IJssel | The Netherlands
 Tel. +31 (0)10 288 25 00 | info@alcom.nl | www.alcom.nl

SPECIFICATIONS

Frequency range	20.0 ~ 50.0MHz
Dimensions	3.2 x 2.5 x 1.1mm
Operating temperature range	-40 to +85°C
Storage temperature range	-55 to +125°C
Supply voltage (V _{DD})	+1.8V (±5%)
Supply current	7mA max
Logic levels	'0' level = 20%V _{DD} max '1' level = 80%V _{DD} min
Start up time	10ms max
Waveform symmetry	40:60 max @ 50%V _{DD}
Driving ability	15pF CMOS
Rise / fall time	5ns max
Enable / disable function	Tristate (control via pad 1)
Phase jitter RMS	0.04ps typ (12kHz ~ 5.0MHz)
* see note below	
Phase noise (typ @ 24.576MHz)	-101dBc/Hz @ 10Hz -132dBc/Hz @ 100Hz -155dBc/Hz @ 1kHz -166dBc/Hz @ 10kHz -174dBc/Hz @ 100kHz -175dBc/Hz @ 1MHz -175dBc/Hz @ 5MHz

PACKAGE DRAWING

SOLDER PAD LAYOUT


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

* For ultimate performance, a high frequency decoupling capacitor should be connected between supply and ground as close to the oscillator supply pad as possible. Low frequency decoupling should be placed next to the supply source.

Dimensions in mm

ORDERING INFORMATION

To request a quotation for the GXO-3306G 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.

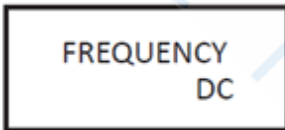
Following product selection you will be issued with a seven character Golledge part number. Your Golledge part number is the internationally accepted Golledge manufacturing part number (MPN) that should be used for all project documentation, including bills of materials (BoMs) and purchase orders.

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

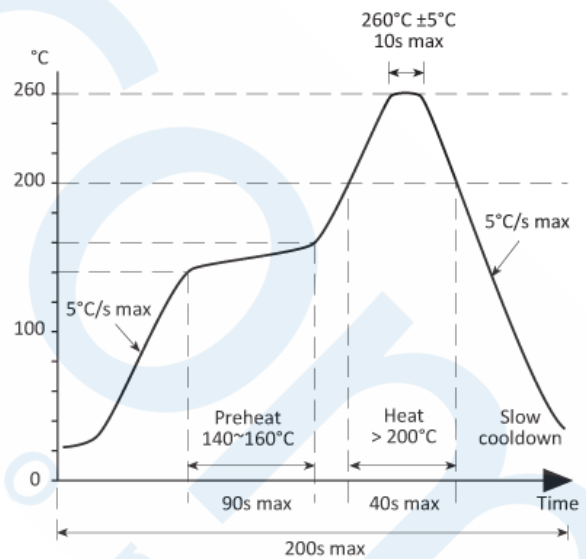


Marking type: Laser

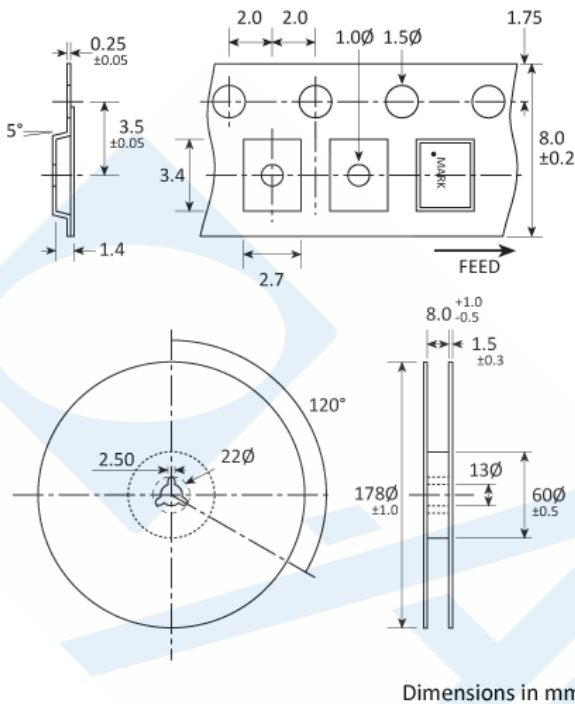
DC = Date Code in YM, eg. "GF" = Jun 2017

	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



TAPE & REEL SPECIFICATION



HANDLING & STORAGE



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



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

CONSTRUCTION

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

COMPLIANCE



Lead-free (< 0.1% by weight)



RoHS 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.

Come and visit

Eaglewood Park, ILMINSTER,
Somerset, TA19 9DQ, England

Give us a call

Tel: +44 1460 256 100
Fax: +44 1460 256 101

Email us

sales@golledge.com

Our Worldwide Distributors

Belgium & Luxembourg

Alcom Electronics NV/SA



Email info@alcom.be
Web www.alcom.be
Tel +32 (0)3 458.30.33

China, Hong Kong - 中国 / 香港

Meiya China



Email sales@meiyatech.com
Web www.meiyatech.com
Tel +86 755 2823 1923

France

Equipments Scientifique



Email comp@es-france.com
Web www.es-france.com
Tel +33 1 47 95 99 89

Germany

MEV Elektronik Service GmbH



Email info@mev-elektronik.com
Web www.mev-elektronik.com
Tel +49 54 24 23 40-0

India

V5 Semiconductors



Email sales@v5semiconductors.com
Web v5semiconductors.com
Tel +91-80-2661 0621

Israel

Phoenix Technologies Ltd



Email sales@phnx.co.il
Web www.phnx.co.il
Tel +972 9 764 4800

Netherlands

Alcom Electronics BV



Email info@alcom.nl
Web alcom.nl
Tel +31 (0)10 288.25.00

Norway & Sweden

Link Nordic



Email thomas.olaussen@linknordic.com
Web linknordic.com
Tel +47 92 23 37 54

Russia - Россия

EFO Ltd



Email elena@efo.ru
Web www.golledge.ru
Tel +7(812)327-8654

Spain & Portugal

R.C. Microelectrónica, S.L.



Email ventas@rcmicro.es
Web www.rcmicro.es
Tel +34 93 260 21 66

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.



Singel 3 | B-2550 Kontich | Belgium | Tel. +32 (0)3 458 30 33

info@alcom.be | www.alcom.be

Rivium 1e straat 52 | 2909 LE Capelle aan den IJssel | The Netherlands

Tel. +31 (0)10 288 25 00 | info@alcom.nl | www.alcom.nl