

GXO-3306G

3225 Ultra-Low Jitter Osc

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



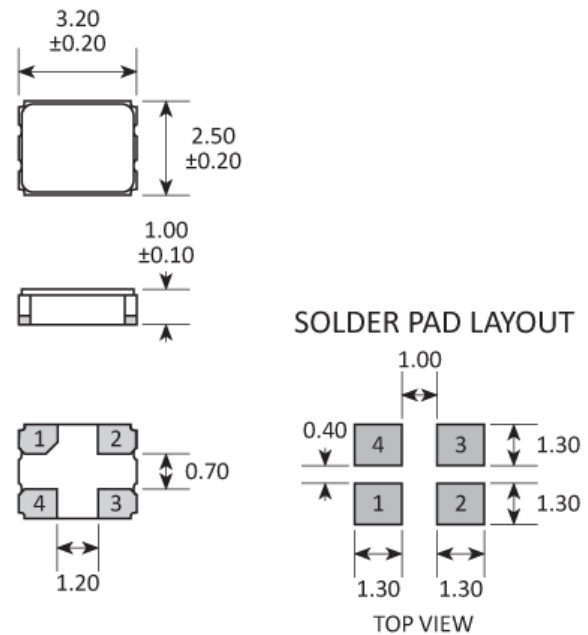
CONFIGURABLE OPTIONS

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

SPECIFICATIONS

Frequency range	20.0 ~ 50.0MHz
Operating temperature range	-40 to +85 °C
Storage temperature range	-55 to +125 °C
Supply voltage (V _{DD})	+1.8V (±5%)
Supply current	20.0 ~ 50.0MHz : 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 (20.0 ~ 50.0MHz)
Enable / disable function	Tristate (control via pad 1)
Phase jitter RMS	0.04ps typ (12kHz ~ 5.0MHz)
Phase noise (typ @ 24.576MHz, 3.3V)	-101dBc/Hz @ 10Hz -132dBc/Hz @ 100Hz -155dBc/Hz @ 1kHz -166dBc/Hz @ 10kHz -174dBc/Hz @ 100kHz -175dBc/Hz @ 1MHz -175dBc/Hz @ 5MHz

PACKAGE DRAWING



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

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.

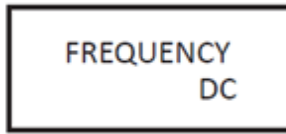
Following product selection you will be issued with a seven character Golledge part number. Your Golledge part number is the internationally accepted Golledge manufacturing part number (MPN) that should be used for all project documentation, including bills of materials (BoMs) and purchase orders.

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

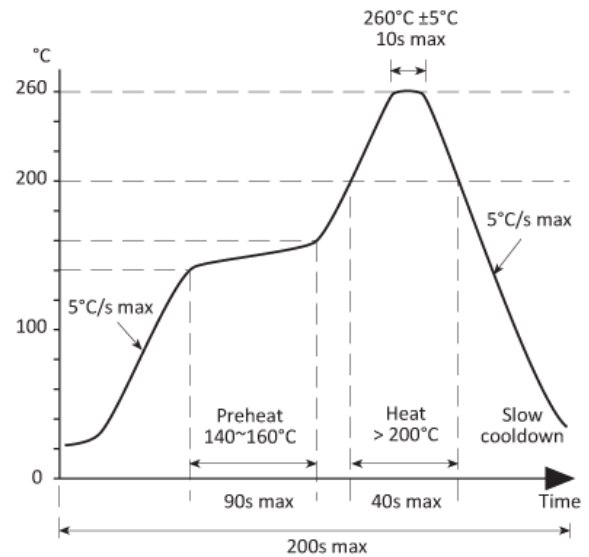


Marking type: Laser

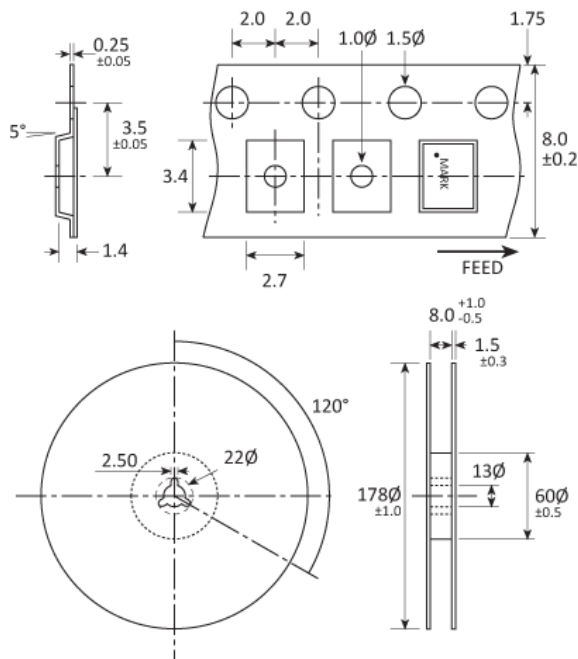
DC = Date Code in YM, eg. "GF" = Jun 2017

	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



Dimensions in mm

HANDLING & STORAGE



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



Moisture Sensitivity Level (MSL): 1

CONSTRUCTION

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

COMPLIANCE



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.