

GXO-3201G

1.8V SM Oscillator with Low Current Consumption

- Low current consumption
- Enable / disable tristate function
- Miniature ceramic package with metal lid
- Competitive pricing



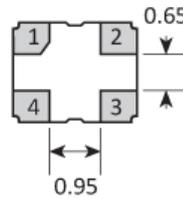
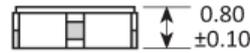
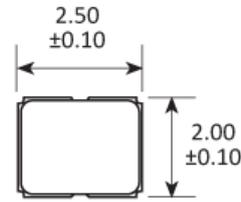
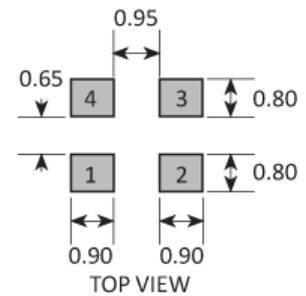
CONFIGURABLE OPTIONS

| Parameter | Option Code |
|-----------------------------|-------------|
| Frequency | |
| Frequency stability | |
| * see note below | |
| Any | |
| ±100ppm max | |
| ±50ppm max | B |
| ±30ppm max | E |
| ±25ppm max | A |
| 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, shock and vibration**

SPECIFICATIONS

| | |
|-----------------------------|---|
| Frequency range | 0.75 ~ 50.0MHz |
| Dimensions | 2.5 x 2.0 x 0.9mm |
| Storage temperature range | -55 to +100°C |
| Supply voltage (V_{DD}) | +1.8V ($\pm 5\%$) |
| Supply current | 2.5mA max (≤ 40.0 MHz) 3.5mA max ($> 40.0 \sim 50.0$ MHz) |
| Logic levels | '0' level = 10% V_{DD} max '1' level = 90% V_{DD} min |
| Start up time | 10ms max |
| Waveform symmetry | 40:60 @ 50% V_{DD} |
| Driving ability | 15pF CMOS |
| Rise / fall time | 10ns max |
| Enable / disable function | Tristate (control via pad 1) E/D times 10ms / 200ns |
| Period jitter RMS | 5ps max |
| Phase jitter RMS | 1ps max, 12kHz~20MHz 1ps max, 12kHz~20MHz |
| Ageing | ± 5 ppm / year max |
| Net mass | 17.7mg |

PACKAGE DRAWING

SOLDER PAD LAYOUT


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

Dimensions in mm

ORDERING INFORMATION

To request a quotation for the GXO-3201G 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

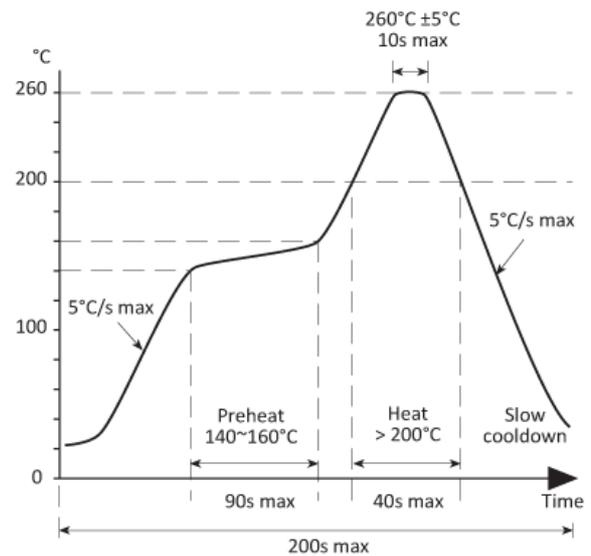
| | |
|-----------|----|
| FREQUENCY | |
| S | DC |

Marking type: Laser

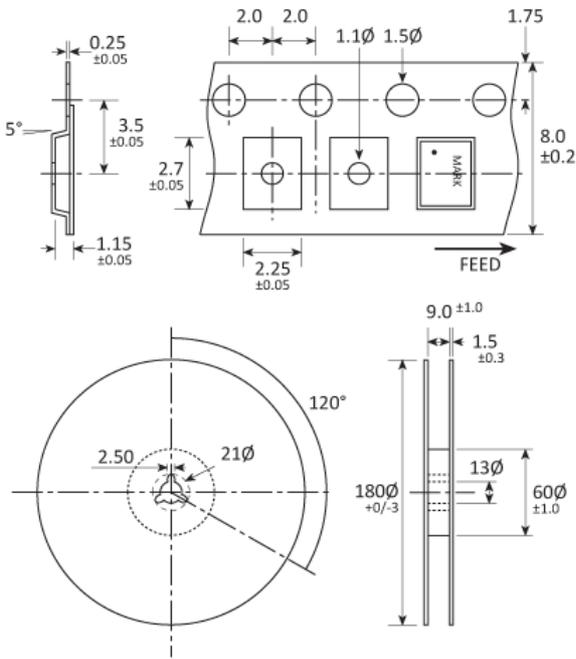
DC = Date Code in YM, eg. "GF" = Jun 2017

| | 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

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)

COMPLIANCE

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.