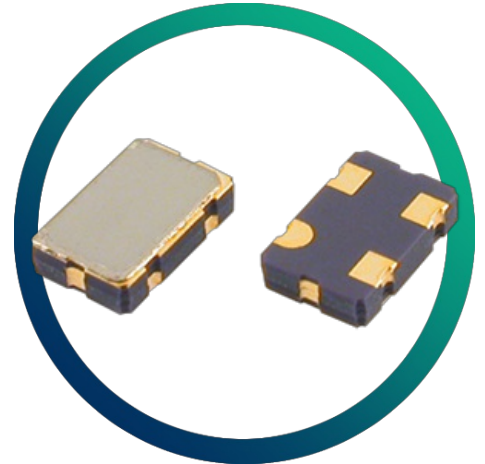


GXO-U115J

2.5V 5x3mm Oscillator with Extremely Low Current Consumption

- Enable / disable tristate function
- Power saving function



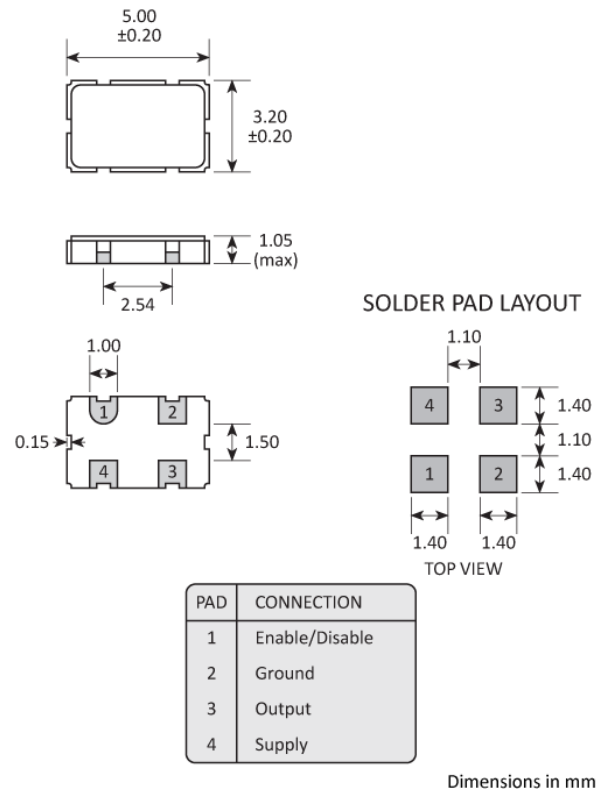
CONFIGURABLE OPTIONS

| Parameter | Option Code |
|-----------------------------|-------------|
| Frequency | |
| Frequency stability | |
| Any | |
| ±100ppm | |
| ±50ppm | B |
| ±25ppm | A |
| Operating temperature range | |
| Any | |
| -10 to +70 °C | |
| -40 to +85 °C | I |

SPECIFICATIONS

| | |
|-----------------------------------|---|
| Frequency range | 1.8 ~ 160MHz |
| Dimensions | 5.0 x 3.2 x 1.05mm |
| Storage temperature range | -55 to +125 °C |
| Supply voltage (V _{DD}) | +2.5V (±10%) |
| Supply current | 10mA max (1.8 ~ 32.0MHz) 18mA max (>32.0 ~ 80.0MHz) 28mA max (>80.0 ~ 125MHz) 38mA max (>125 ~ 160MHz) |
| Logic levels | '0' level = 10%V _{DD} max '1' level = 90%V _{DD} min |
| Start up time | 5ms max (1.8 ~ 32.0MHz) 10ms max (>32.0MHz) |
| Waveform symmetry | 45:55 max @ 50%V _{DD} (≤50.0MHz) 40:60 max @ 50%V _{DD} (>50MHz) |
| Driving ability | 15pF CMOS |
| Rise / fall time | 5ns max (1.8 ~ 80.0MHz) 4ns max (>80.0 ~ 125MHz) 3ns max (>125 ~ 160MHz) |
| Enable / disable function | Tristate (control via pad 1) |
| Stand-by current (power-saving) | 10µA |

PACKAGE DRAWING



ORDERING INFORMATION

To request a quotation for the GXO-U115J 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

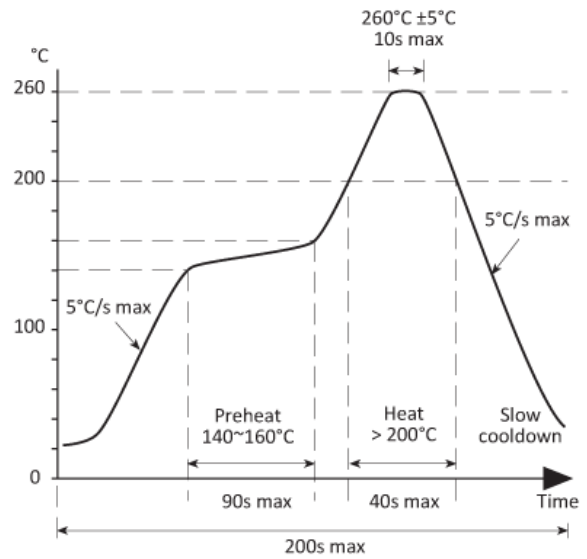
FREQUENCY
DC

Marking type: Laser

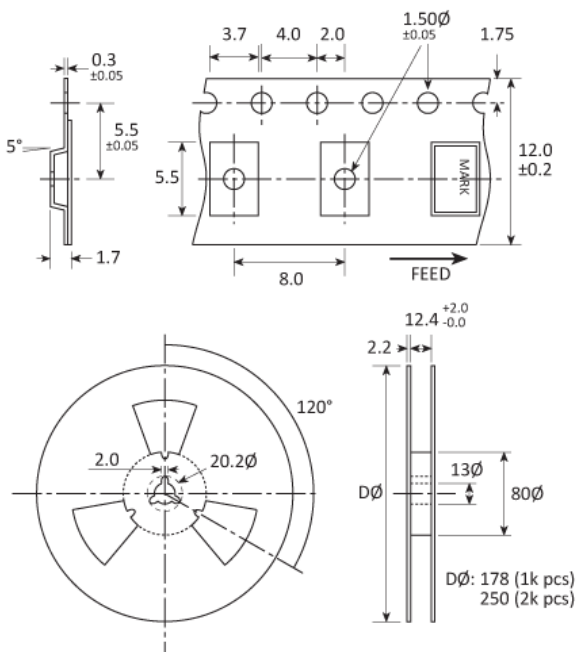
DC = Date Code in YM, eg. "GF" = Jun 2017

| | | | | | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 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

HANDLING & STORAGE



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





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


CONSTRUCTION


Ceramic base with metal lid


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.