

GWX-2012

2012 Package 32.768kHz Watch Crystal



- Competitive pricing for volume applications
- Ultra low profile - 0.6mm high
- Light weight miniature package
- Vacuum sealed for high stability

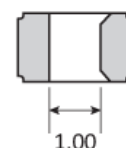
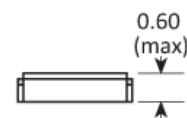
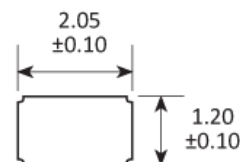
CONFIGURABLE OPTIONS

Parameter	Option Code
Calibration tolerance	
±20ppm	
Circuit condition	
Any	
6pF	
7pF	
9pF	
12.5pF	

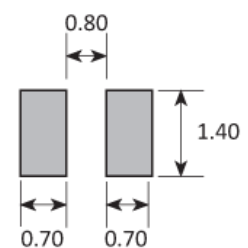
SPECIFICATIONS

Frequency	32.768kHz
Dimensions	2.05 x 1.2 x 0.6mm
Operating temperature range	-40 to +85°C
Storage temperature range	-55 to +125°C
Static capacitance (C ₀)	1.3pF typ
Equivalent series resistance	70kΩ max @ 25°C
Ageing	±3ppm max first year
Drive level	1.0μW max
Turnover temperature (T ₀)	+25°C ±5°C
Frequency / temp coefficient	-0.033ppm/°C ² typ

PACKAGE DRAWING



SOLDER PAD LAYOUT



TOP VIEW

Dimensions in mm

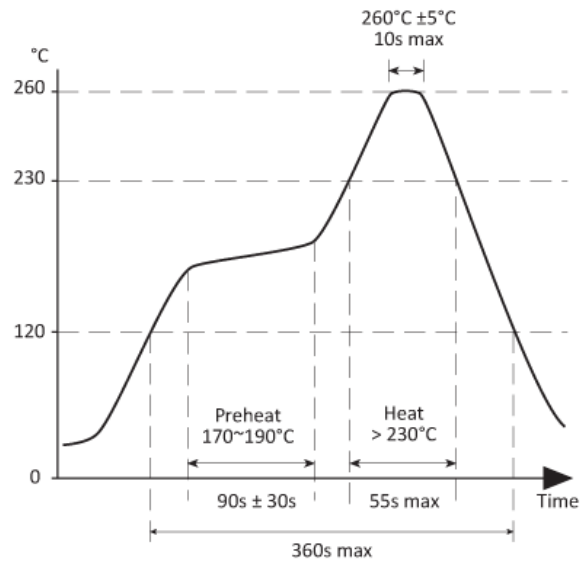
ORDERING INFORMATION

To request a quotation for the GWX-2012 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.

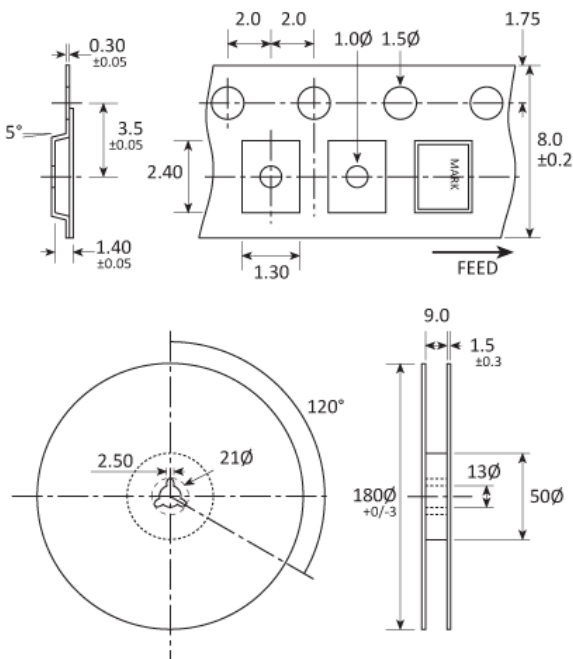
Following product selection you will be issued with a seven character Golledge part number. Your Golledge part number is the internationally accepted Golledge manufacturing part number (MPN) that should be used for all project documentation, including bills of materials (BoMs) and purchase orders.

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

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 body with gold-plated pads
Metal lid, vacuum sealed


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.

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.