

# OCXOWST

## Stratum 3 Compliant 3.3V OCXO with CMOS Output



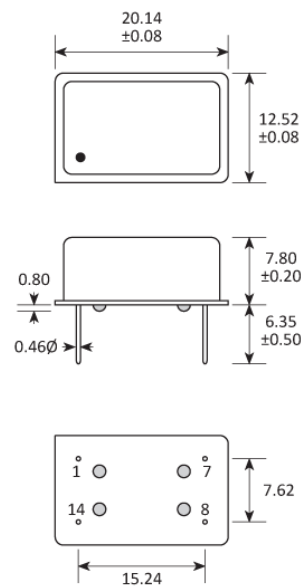
- Stratum 3 compliant
- Compact 14-pin DIL package (SMD optional)
- 3.3V supply voltage
- CMOS output
- Very fast warmup

### CONFIGURABLE OPTIONS

Parameter	Option Code
Frequency	
Operating temperature range	
Any	
0 to +70°C	D
-40 to +85°C	C
Package	
Through hole 14 pin DIL	
SMD option D1	D1
SMD option D2	D2

**SPECIFICATIONS**

Frequency range	10.0kHz ~ 54.0MHz
Dimensions	20.1 x 12.5 x 8.0mm
Frequency stability	±4.6ppm max overall (Including 15 years ageing) ±0.1ppm max vs $V_{DD}$ ±10ppb max vs load ±10%
Short term stability	$5 \times 10^{-10}$ , t 0.1 to 30s $5 \times 10^{-11}$ typ at 1s
Holdover stability (24hrs)	±0.28ppm max (0.56ppm p-p) (Incl load, supply and temp variation)
Internal calibration	±1.0ppm max
Storage temperature range	-55 to +125 °C
Output waveform	CMOS compatible '0' = +0.4V max, '1' = $V_{DD}$ - 0.5V min 45:55 max Rise / fall times 7ns max (no load)
Load	3pF min, 47pF max
Start up time	5ms max
Supply voltage ( $V_{DD}$ )	+3.3V (±0.15V)
Input current	120mA max @ +25 °C 170mA max @ -20 °C
Warm up time (secs)	30s to current 250mA max @ 25 °C 120s to within ±0.1ppm @ 25 °C
Phase noise (typ @ 10MHz)	-100dBc/Hz @ 10Hz -130dBc/Hz @ 100Hz -140dBc/Hz @ 1kHz -145dBc/Hz @ 10kHz
Shock & vibration	5,000g, 0.3ms ½-sine 10.0 ~ 2,000Hz, 20g

**PACKAGE DRAWING**


PIN	CONNECTION
1	Ground
7	Ground
8	Output
14	Supply

Dimensions in mm

## ORDERING INFORMATION

To request a quotation for the OCXOWST 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](mailto:sales@golledge.com).

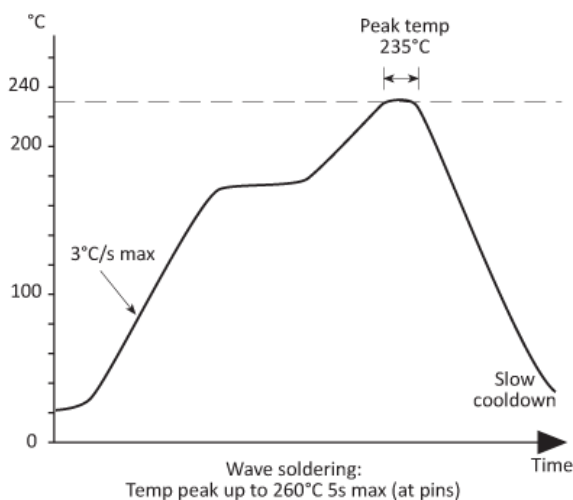
Following product selection you will be issued with a seven character Golledge part number. Your Golledge part number is the internationally accepted Golledge manufacturing part number (MPN) that should be used for all project documentation, including bills of materials (BoMs) and purchase orders.

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

## TECHNICAL RESOURCES

[DIL-14 OCXO SMD options.pdf](#)

## SOLDERING PROFILE



## HANDLING & STORAGE



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



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

## CONSTRUCTION

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Resistance weld

## MATERIAL COMPOSITION

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RoHS 2 compliant with 7(a) exemption. [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.