

# GXO-U103H

## 3.3V DIL-8 Package Leaded Oscillator with High Drive Capability



- Industrial temperature range option
- Tight tolerance options
- Enable / disable tristate function

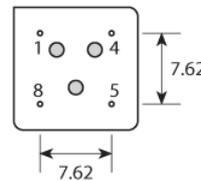
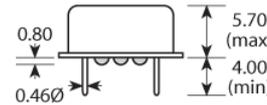
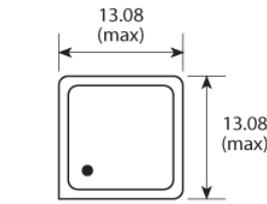
### CONFIGURABLE OPTIONS

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

## SPECIFICATIONS

Frequency range	125kHz ~ 200MHz
Dimensions	13.0 x 13.0 x 5.7mm
Package style	8 pin DIL (half size)
Storage temperature range	-55 to +125 °C
Supply voltage ( $V_{DD}$ )	+3.3V ( $\pm 5\%$ )
Supply current	10mA max (125kHz ~ 0.99MHz) 15mA max (1.0 ~ 5.0MHz) 20mA max (>5.0 ~ 24.0MHz) 25mA max (>24.0 ~ 70.0MHz) 35mA max (>70.0 ~ 90.0MHz) 45mA max (>90.0 ~ 160MHz)
Driving ability	30pF CMOS / 5 LSTTL
Output voltage	'0' level = 0.4V max '1' level = 90% $V_{DD}$ min
Start up time	10ms max
Rise / fall time	6ns max (<80.0MHz) 5ns max (>80.0MHz)
Waveform symmetry @ 50% $V_{DD}$	45:55 max (<50.0MHz) 40:60 max (>50.0MHz)
Enable / disable function	Tristate (control via pin 1)
Output enable/disable time	100ns / 100ns typ

## PACKAGE DRAWING



PIN	CONNECTION
1	Enable / Disable
4	Ground
5	Output
8	Supply

Dimensions in mm

## ORDERING INFORMATION

To request a quotation for the GXO-U103H 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.

## ENABLE / DISABLE FUNCTION

Input (pin 1)	Output (pin 5)
Open	Enabled
'1' level	Enabled
'0' level	High Impedance

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**HANDLING & STORAGE**

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Human Body Model (HBM) 1A (250V to &lt;500V)



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

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**CONSTRUCTION**

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Resistance weld

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**COMPLIANCE**

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Lead-free (&lt; 0.1% by weight)

RoHS 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](#)