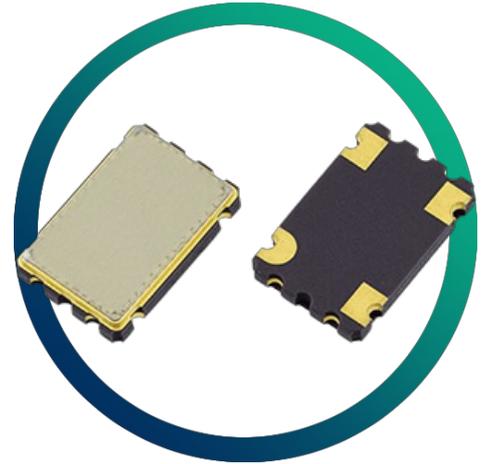


# GXO-U108H

## 5V 7x5mm Oscillator with 50pF CMOS Driving Ability



- Standard frequencies held in stock
- High drive capability - up to 50pF
- Enable / disable tristate function

### CONFIGURABLE OPTIONS

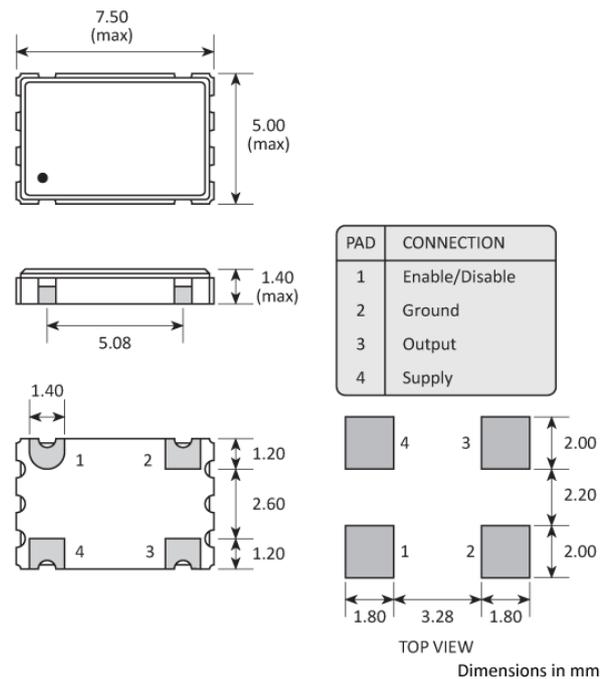
Parameter	Option Code
Frequency	
Frequency stability * see note below	
Any	
±100ppm	
±50ppm	B
±25ppm	A
±20ppm	D
Operating temperature range	
Any	
-10 to +70°C	
-40 to +85°C	I

\* Frequency stability is inclusive of calibration @ 25°C, operating temperature range, supply voltage change, load change, ageing, shock and vibration.

## SPECIFICATIONS

Frequency range	1.8 ~ 80.0MHz
Dimensions	7.5 x 5.0 x 1.4mm
Storage temperature range	-55 to +125 °C
Supply voltage ( $V_{DD}$ )	+5.0V ( $\pm 0.5V$ )
Supply current	27mA max ( $\leq 32.0\text{MHz}$ )
Supply current (mA max)	45 mA max ( $>32.0 \sim 50.0\text{MHz}$ ) 75 mA max ( $>50.0 \sim 80.0\text{MHz}$ )
Logic levels	'0' level = 10% $V_{DD}$ max '1' level = 90% $V_{DD}$ min
Start up time	5ms max ( $\leq 32\text{MHz}$ ) 10ms max ( $>32\text{MHz}$ )
Waveform symmetry	45:55 max
Driving ability	10 TTL 50pF CMOS
Rise / fall time	7ns max ( $<80\text{MHz}$ )
Enable / disable function	Tristate (control via pad 1) 100ns / 100ns
Net Mass	135mg

## PACKAGE DRAWING



## ORDERING INFORMATION

To request a quotation for the GXO-U108H 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).

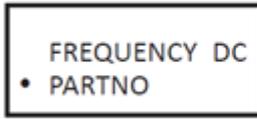
Following product selection you will be issued with a seven character Golledge part number. Your Golledge part number is the internationally accepted Golledge manufacturing part number (MPN) that should be used for all project documentation, including bills of materials (BoMs) and purchase orders.

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

## ENABLE / DISABLE FUNCTION

Input (pad 1)	Output (pad 3)
Open	Enabled
'1' level	Enabled
'0' level	High Impedance

**MARKING**

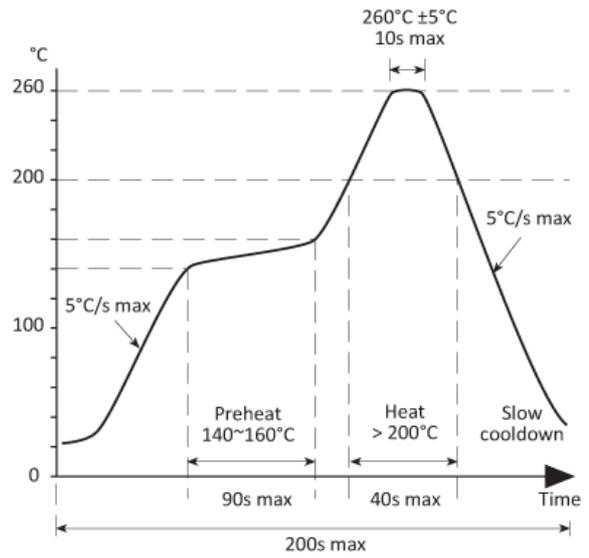


• Pin 1  
Marking type: Laser

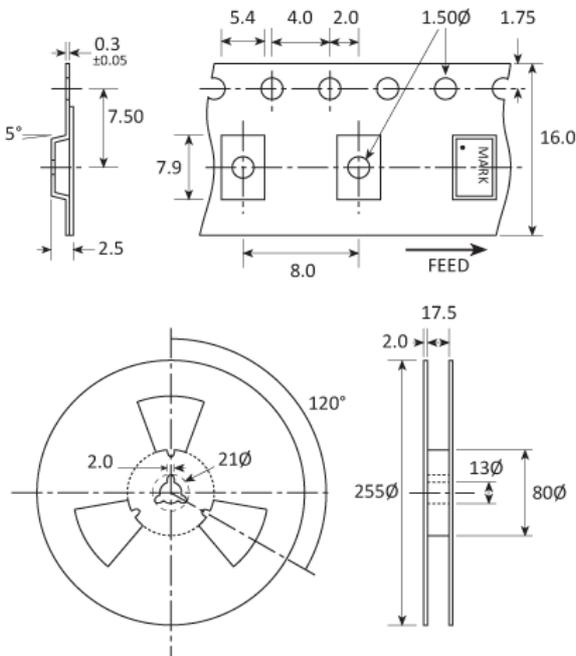
DC = Date Code in YM, eg. "GF" = Jun 2017

	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

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Ceramic body with gold-plated pads  
Metal lid, seam sealed

## COMPLIANCE

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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.