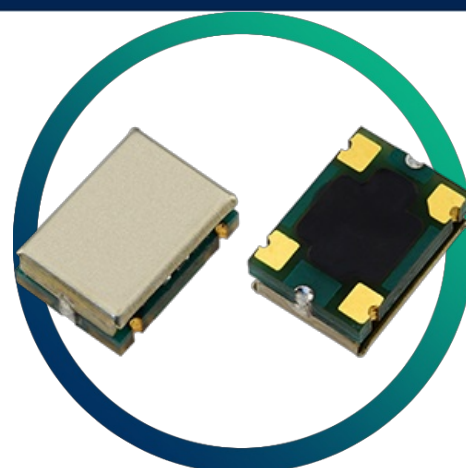


# GTXO-74T

## 3.0V TCXO with Sine Output and Low Phase Noise

- Low phase noise
- Clipped sine output, 0.7V p-p
- Miniature SM package
- Sealed crystal design



### CONFIGURABLE OPTIONS

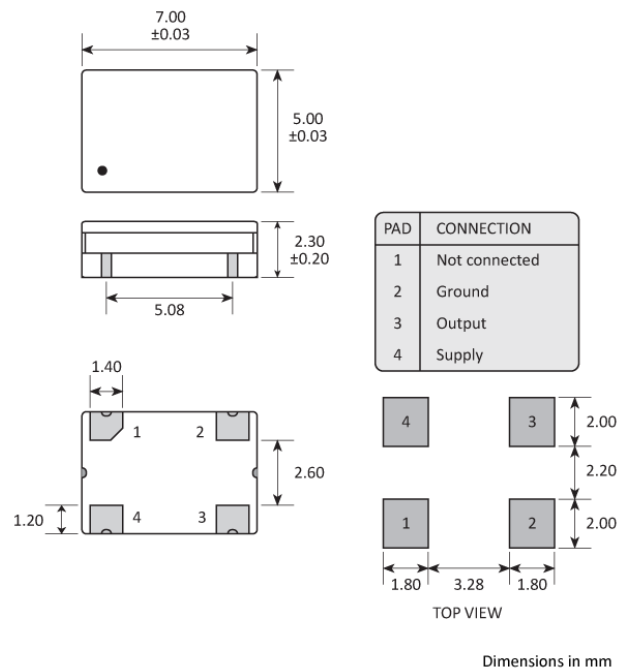
Parameter	Option Code
Frequency	
Frequency stability	
Any	
±2.5ppm max	J
±2.0ppm max	H
±1.5ppm max	G
Temperature range	
Any	
-20 to +70°C	N
-30 to +75°C	S
-40 to +85°C	I

**\*Some combinations of stability and wide temperature ranges may not be available at higher frequencies. Our team will advise accordingly if this affects your enquiry.**

## SPECIFICATIONS

Frequency range	30.0 ~ 77.76MHz
Dimensions	7.0 x 5.0 x 2.5mm
Storage temperature range	-40 to +85°C
Supply voltage stability	±1.0ppm, $V_{DD}$ ±5%
Load stability	±0.2ppm, $Z_L$ ±10%
Ageing	±1.0ppm max first year
Supply voltage ( $V_{DD}$ )	+3.0V ±5%
Supply current	5.0mA max
Output waveform	Clipped sine, 0.7V p-p, +DC offset
Test load ( $Z_L$ )	10kΩ // 10pF
Start up time	3ms max
Phase noise (typ @ 61.44MHz)	-86dBc/Hz @ 10Hz -118dBc/Hz @ 100Hz -144dBc/Hz @ 1kHz -157dBc/Hz @ 10kHz
Preset frequency @ 25°C	±2.0ppm max

## PACKAGE DRAWING



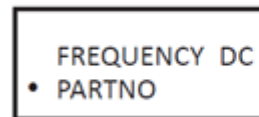
## ORDERING INFORMATION

To request a quotation for the GTXO-74T 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.

## MARKING

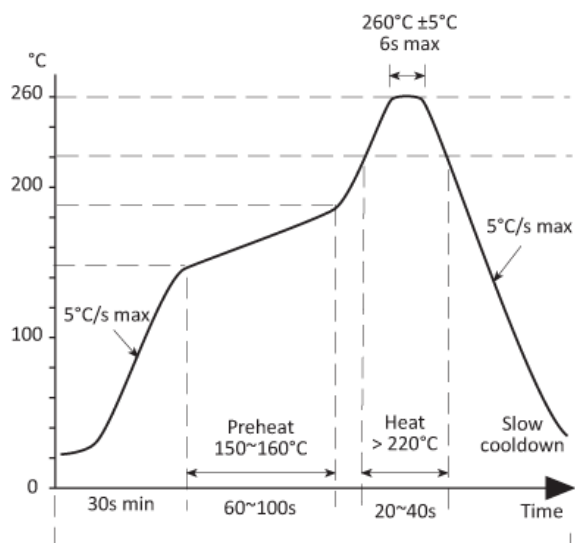


- Pin 1
- Marking type: Laser

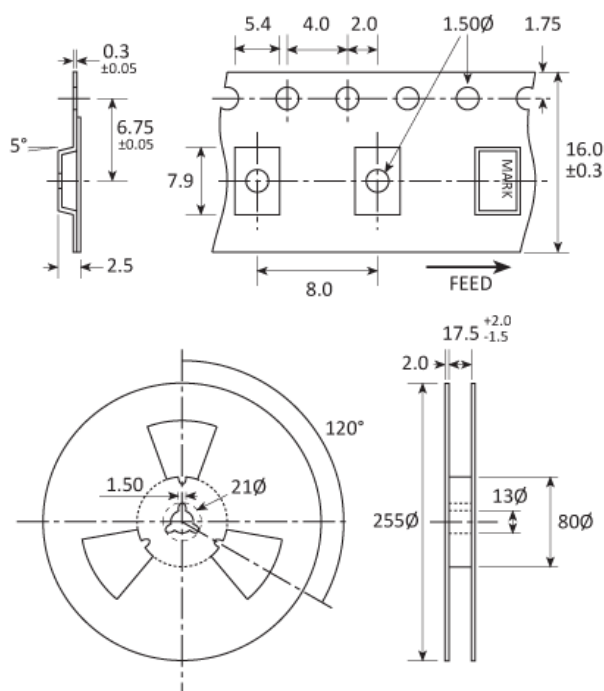
DC = Date Code in YM, eg. "GF" = Jun 2017

	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 &lt;500V)



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

## CONSTRUCTION

PCB carrier

Metal screening lid

## COMPLIANCE

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Lead-free (< 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](#)