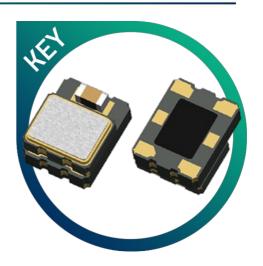


GTXO-C98T

High frequency CMOS TCXO 2.5V or 3.3V

- Fast Turnaround
- High Frequency
- CMOS output
- Low phase jitter
- Excellent frequency stability



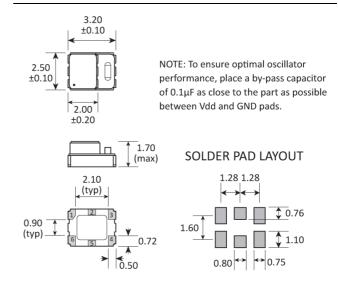
CONFIGURABLE OPTIONS		
Parameter	Option Code	
Frequency		
Frequency stability		
Any		
±2.5ppm	J	
±2.0ppm	Н	
±1.0ppm	F	
Temperature range		
Any		
-20 to +70°C	N	
-30 to +85°C	S	
-40 to +85°C	I	
Supply voltage (V _{DD})		
Any		
+3.3V (±5%)	L	
+2.5V (±5%)	J	



SPECIFICATIONS

Frequency range	10.0 ~ 250.0MHz
Dimensions	3.2x2.5x1.7
Storage temperature range	-40 to +85°C
Supply voltage stability	± 0.2 ppm, V_{DD} $\pm 5\%$
Ageing	±1.0ppm max first year
Supply current	40.0mA max
Stand by current	20.0mA max
Driving ability	15pF CMOS
Logic levels	'0' level = 10%V _{DD} max
	'1' level = 90%V _{DD} min
Waveform symmetry	45:55 @ 50%V _{DD}
Start up time	5ms max
Enable / disable function	Tristate (control via pad 2)
Phase noise (typ @	-111dBc/Hz @ 1kHz
250.0MHz)	-123dBc/Hz @ 10kHz
	-125dBc/Hz @ 100kHz
	-135dBc/Hz @ 1MHz
Phase jitter RMS	0.6ps typ, 12kHz~20MHz
Preset frequency @ 25°C	±3.0ppm max

PACKAGE DRAWING



PAD	CONNECTION
1	Not connected
2	Enable / disable
3	Ground
4	Output
5	Not connected
6	Supply

Dimensions in mm



ORDERING INFORMATION

To request a quotation for the GTXO-C98T 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.

Once we've received your request our expert team will then produce a quotation tailored to meet your needs using the option codes you've selected.

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.

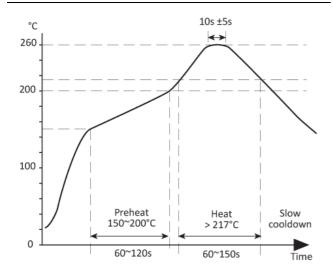
If you have any queries regarding any of our documentation our dedicated sales team will be happy to help.

MARKING

FREQUENCY
DC

Pin 1
Marking type: Laser
DC = Date code

SOLDERING PROFILE



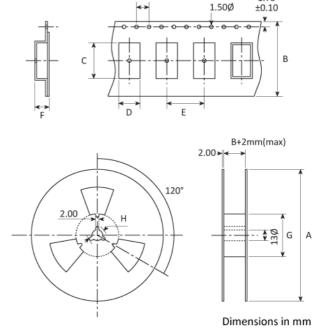
Lead free solderability limits: 260°C ±5°C x 10s ±5s x 2.

TAPE & REEL SPECIFICATION

4.00±

0.10

1.75



A:180 / B:13.0 / C:3.6 / D:2.9 / E:4.0 / F:1.8 / G:61



HANDLING & STORAGE



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



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

COMPLIANCE



P6 Lead-free (< 0.1% by weight)



RoHS compliant with no exemptions. See our

declaration



REACH compliant. See our statement



Au Ta Sn W Free of conflict minerals. See our declaration



Free of Halogens. <u>See our declaration</u>



Free of Ozone-depleting substances. <u>See our</u>

declaration