GTXO-86T

Sinewave TCXO High Precision High

Temperature Tristate

- High Precision ±0.05ppm
- High Temperature Operation +105°C
- Tri-state function
- Clipped sine output
- Miniature SM package

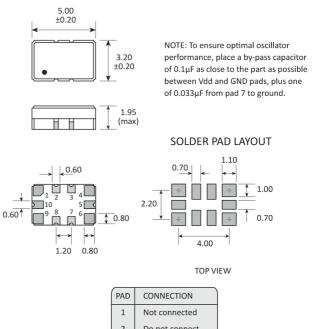


CONFIGURABLE OPTIONS	
Parameter	Option Code
Frequency	
Frequency stability	
Any	
±0.05ppm	А
±0.1ppm	В
±0.2ppm	Р
±0.28ppm	D
±0.5ppm	E
±1.0ppm	F
Temperature range	
Any	
-20 to +70°C	N
-40 to +85°C	1
-40 to +95°C	E
-40 to +105°C	D
Supply voltage (V _{DD})	
Any	
+3.3V ±5%	L
+2.5V ±5%	J

SPECIFICATIONS

Frequency range	10.0 ~ 52.0MHz
Dimensions	5.0 x 3.2 x 1.95
Storage temperature	-55 to +125°C
range	
Supply voltage	±0.1ppm, V _{DD} ±5%
stability	
Ageing	±1.0ppm max first year
Supply current	5.0mA max
Output waveform	Clipped sine, 0.8V p-p, +DC offset
Load (Z _L)	10kΩ // 10pF
Start up time	5ms max
Phase noise (typ @	-122dBc/Hz @ 100Hz
20.0MHz)	-142dBc/Hz @ 1kHz
	-154dBc/Hz @ 10kHz
	-157dBc/Hz @ 100kHz
	-159dBc/Hz @ 1MHz
Frequecny Tolerance @25°C	±1.0ppm max

PACKAGE DRAWING



2 Do not connect 3 Do not connect Ground 5 Enable / disable 6 Output 7 VC filter 8 Not connected Supply (Vdd) 10 Ground

Dimensions in mm

ORDERING INFORMATION

To request a quotation for the GTXO-86T 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.

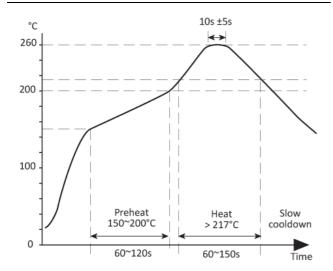
If you have any queries regarding any of our documentation our dedicated sales team will be happy to help.

MARKING

FREQUENCY
DC

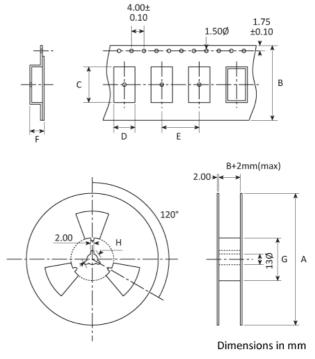
 Pin 1 Marking type: Laser DC = Date code

SOLDERING PROFILE



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

TAPE & REEL SPECIFICATION



A:180 / B:13.0 / C:5.3 / D:3.5 / E:8.0 / F:1.9 / 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.

declaration



REACH compliant.



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



Free of Halogens. See our declaration



Free of Ozone-depleting substances. See our

declaration