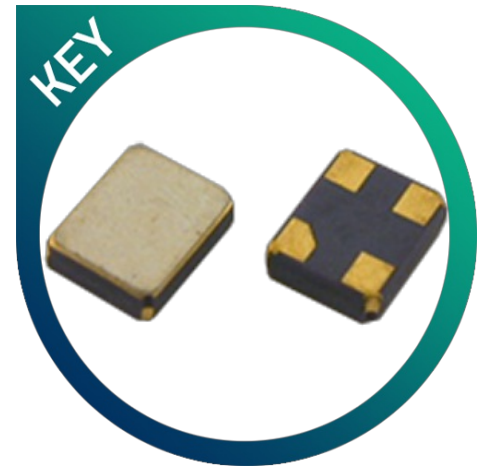


GTXO-253V

1.8V ~ 3.6V SM (VC)TCXO for GPS

- Ideally suited for GPS applications
- Fixed-frequency and voltage-controlled variants
- Supply voltage from 1.8V ~ 3.6V
- Low power consumption
- Miniature SM package



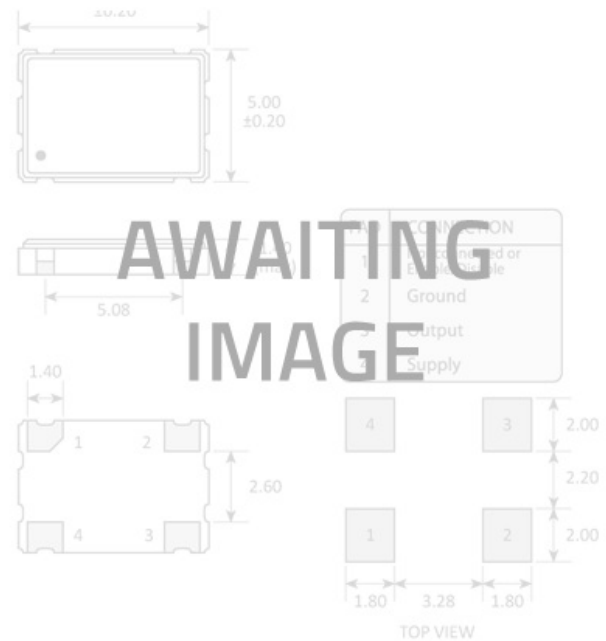
CONFIGURABLE OPTIONS

Parameter	Option Code
Frequency	
Frequency stability	
Any	
±2.5ppm	J
±2.0ppm	H
±1.5ppm	G
±1.0ppm	F
±0.5ppm	E
Temperature range	
Any	
-10 to +60°C	C
-20 to +75°C	N
-30 to +85°C	S
-40 to +85°C	I
Supply voltage (V _{DD})	
+2.8V	

SPECIFICATIONS

Frequency range	10.0 ~ 52.0MHz
Dimensions	2.5 x 2.0 x 1.1mm
Storage temperature range	-40 to +85°C
Supply voltage stability	±0.2ppm, $V_{DD} \pm 5\%$
Load stability	±0.2ppm, $Z_L \pm 10\%$
Frequency slope	±0.05ppm/°C over -30+85°C
Ageing	±1.0ppm max first year
Supply current	1.5~2.0mA max
Output waveform	Clipped sine, 0.8V p-p, +DC offset
Test load (Z_L)	10kΩ // 10pF
Start up time	3ms max
Frequency adjustment	±8 ~ ±14ppm, +1.4V ±1.0V
Harmonics	-5dBc max
Phase noise	-130dBc/Hz @ 1kHz
Frequency tolerance @ 25°C	±2.0ppm max, 60mins after reflow

PACKAGE DRAWING



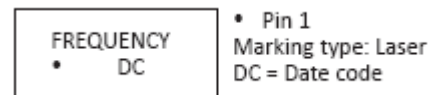
ORDERING INFORMATION

To request a quotation for the GTXO-253V 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.

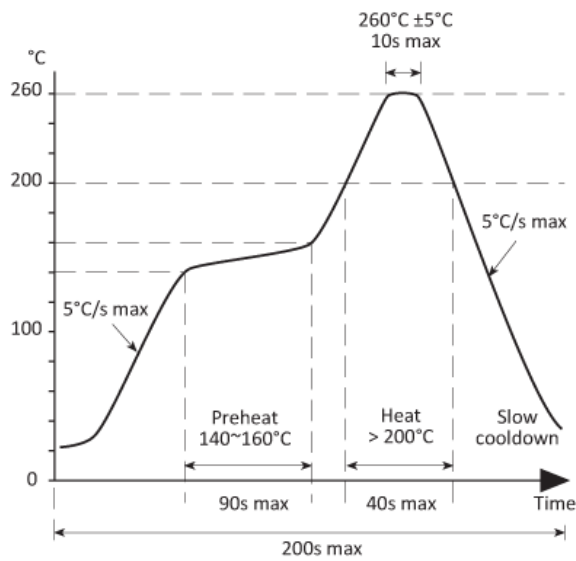
Following product selection you will be issued with a seven character Golledge part number. Your Golledge part number is the internationally accepted Golledge manufacturing part number (MPN) that should be used for all project documentation, including bills of materials (BoMs) and purchase orders.

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

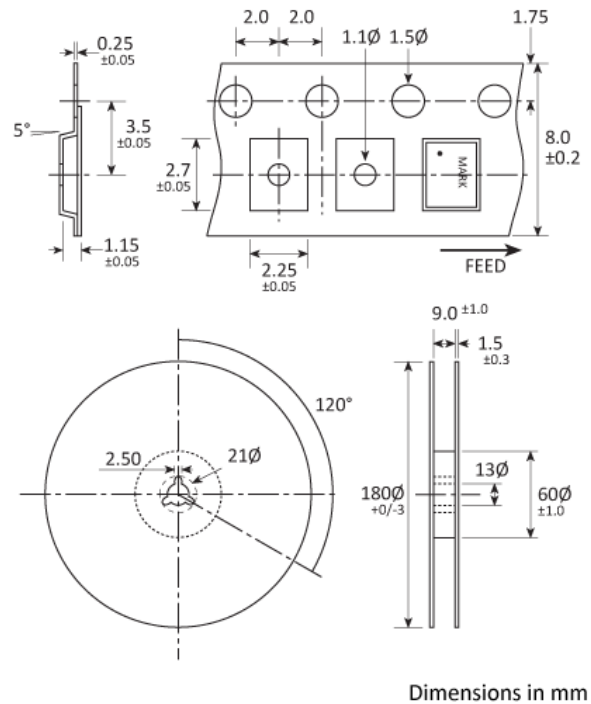
MARKING



SOLDERING PROFILE



TAPE & REEL SPECIFICATION



HANDLING & STORAGE



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



Moisture Sensitivity Level (MSL): 1

MATERIAL COMPOSITION



Lead-free (< 0.1% by weight)



Product is RoHS 2 compliant

CONSTRUCTION

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

OTHER INFORMATION

About Golledge

We are the UK's leading supplier of frequency control products and are proud to serve the global electronics industry. Our philosophy is a focus firmly on your requirements by striving to meet and exceed your needs. We do this by ensuring the utmost quality and consistency in our products and services. If you have any queries about the Golledge service or any of our products please get in touch, we'd love to hear from you.

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Our customer feedback is testament to our quality; "Never had such good service as this from anyone in 35 years of being in the industry, this is impressive and has really helped us out of a corner to keep the design flowing" Andy (Senior Design Engineer), "As always your support is state of the art" Nicoleta (Material Management), "Legendary work - as usual it has to be said" John (Operations).
To take advantage of our highly praised service get in touch with us today.