

Product Description

Description:	39.0MHz GTXO-253T/X SM TCXO
Product family:	GTXO-253
Category:	SM TCXO
Order code:	MP11613

Features

- Ideally suited for GPS applications
- Low power consumption
- Miniature SM package
- Excellent frequency stability

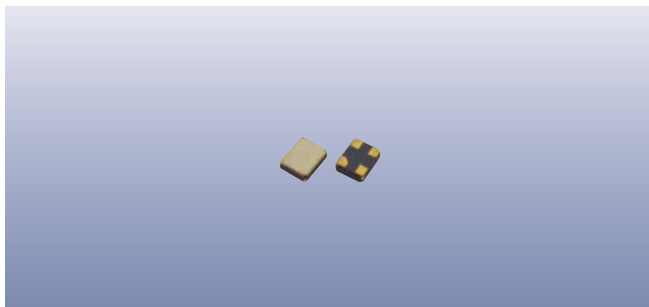
Additional Information

For further information regarding packaging, construction, material composition, soldering profile and environment, please refer to **GTXO-253 Product Information sheet**

For dimensions, refer to package drawing: **D0314-A**

Electrical Specifications

Parameter	Value	Notes
Nominal frequency:	39.0MHz	
Frequency tolerance:	±1.0ppm max	@25°C ±3°C as received, wrt nominal freq.
Frequency deviation:	±1.0ppm max	@25°C ±3°C after 2 x reflows, wrt pre-flow freq.
Temperature stability:	±0.5ppm	Wrt 25°C
Supply voltage stability:	±0.2ppm	±5%
Load stability:	±0.2ppm	±10%
Start up time:	2.0ms max	90% of final RF level in Vp-p
Operating temperature range:	-20 to +70°C	
Storage temperature range:	-30 to +85°C	
Supply voltage (V _{DD}):	+1.8V	±5%
Supply current:	2.0mA max	
Output waveform:	Clipped sine	0.8V _{p-p} min
Test load:	10kΩ // 10pF	±5%
Ageing:	±1.0ppm	@25°C per year
SSB phase noise:	-130dBc/Hz typ @1kHz	



Packaging & Handling

Production quantities supplied on T&R, 1k or 3k pcs per reel.
Small quantities may be supplied on tape (no reel), or in bulk.



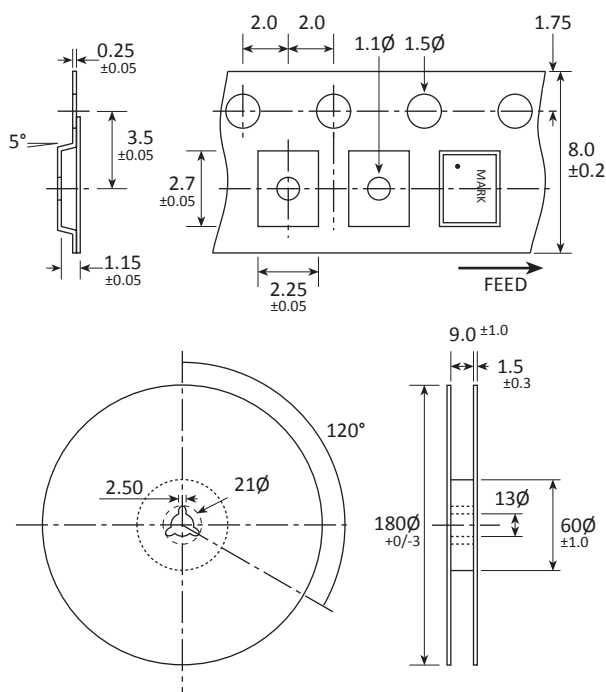
♦ Static sensitive product. Observe proper handling precautions

Marking

FREQUENCY
• DC

• Pin 1
Marking type: Laser
DC = Date code

Tape & Reel Specification



Not to scale. Dimensions in mm. Tolerances ±0.1mm unless otherwise stated

Construction

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

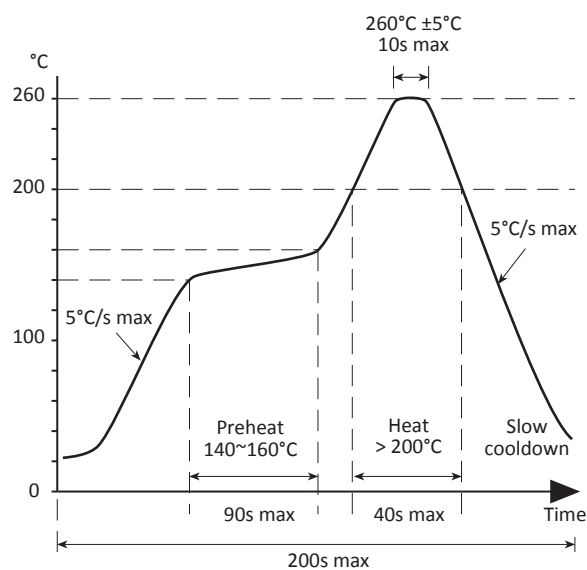
Composition



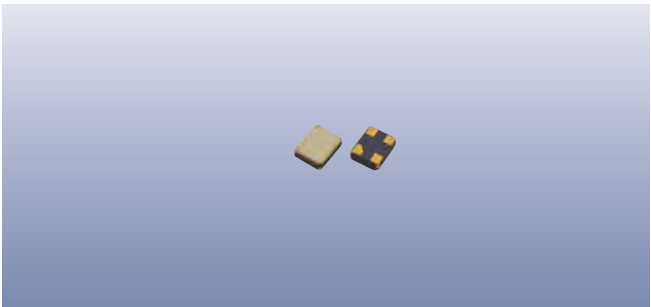
This product is lead-free, and is fully compliant with current RoHS directives



Soldering Profile



Solder resistance: 260°C x 10 secs x 2.



Product Family

GTXO-253T no E/D

Construction

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

Dimensions (mm)

