

Product Description

Description:	56.0MHz GTXO-203T/JS SM TCXO
Product family:	GTXO-203
Category:	SM TCXO
Order code:	MP09786

Features

- ▶ Low power consumption
- ▶ Miniature SM package
- ▶ Excellent frequency stability

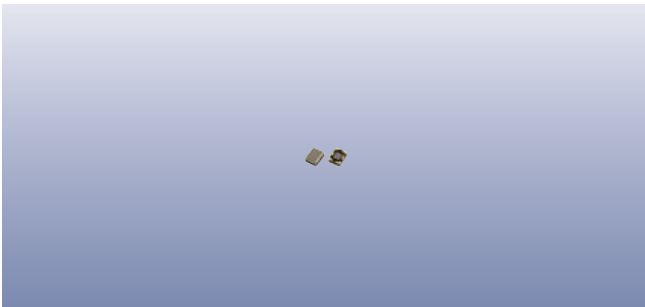
Additional Information

For further information regarding packaging, construction, material composition, soldering profile and environment, please refer to **GTXO-203 Product Information sheet**

For dimensions, refer to package drawing: **D0388-A**

Electrical Specifications

Parameter	Value	Notes
Nominal frequency:	56.0MHz	
Frequency tolerance:	±2.0ppm max	@25°C, 60 mins after reflow.
Frequency stability:	±2.5ppm	
Supply voltage stability:	±0.2ppm	V _{DD} ±5%
Load stability:	±0.2ppm	Z _L ±10%
Start up time:	3ms max	
Operating temperature range:	-30 to +85°C	
Storage temperature range:	-40 to +85°C	
Supply voltage (V _{DD}):	+1.8V	
Supply current:	1.5 ~ 2.0mA max	
Output waveform:	Clipped sine	0.8V _{p-p} , +DC offset.
Test load (Z _L):	10kΩ // 10pF	
Ageing:	±1.0ppm max	First year
Harmonics:	-5dBc max	
SSB phase noise:	-130dBc/Hz @1kHz	



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



Packaging & Handling

Production quantities supplied on T&R, 2k pcs per reel.
Small quantities may be supplied on tape (no reel), or in bulk.



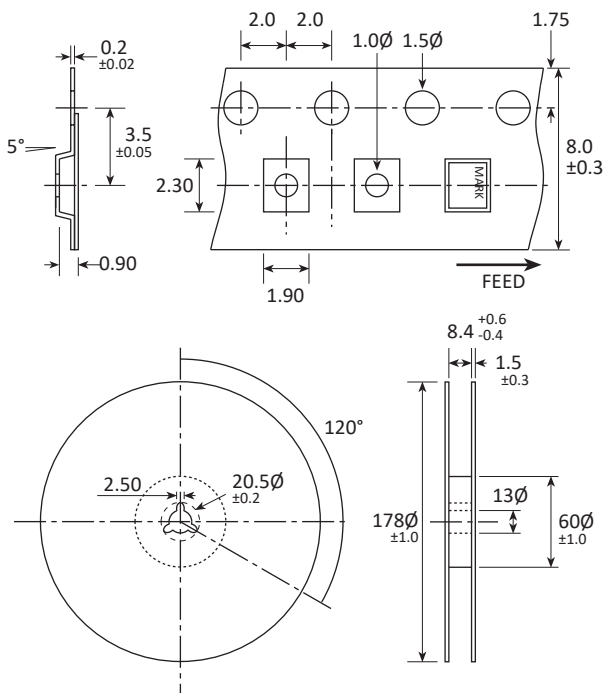
♦ Static sensitive product. Observe proper handling precautions

Marking

DC LC
• FREQUENCY

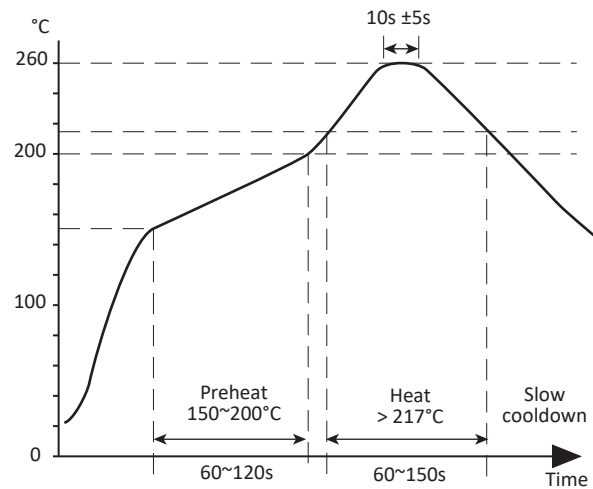
• Pin 1
Marking type: Laser
DC = Date code . LC = Lot codes

Tape & Reel Specification

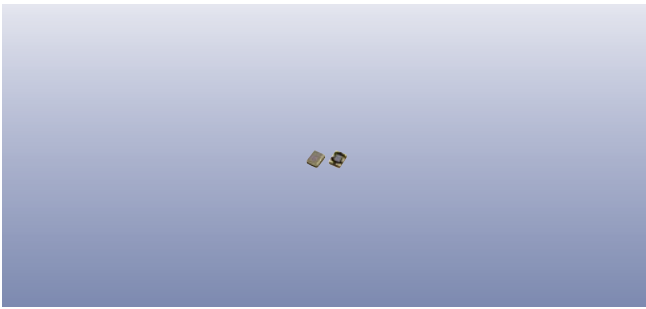


Not to scale. Dimensions in mm. Tolerances ±0.1mm unless otherwise stated

Soldering Profile



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



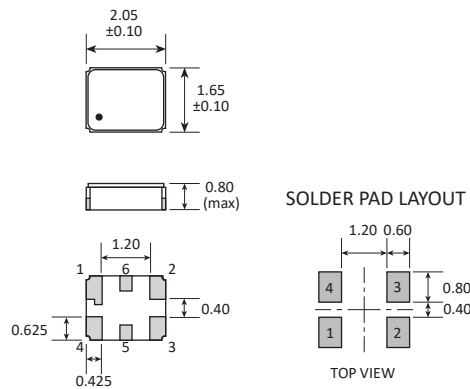
Product Family

GTXO-203T

Construction

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

Dimensions (mm)



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