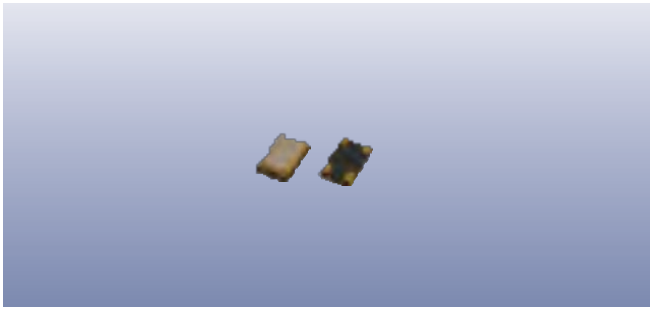
Specification

Part No: MP12108



Product Description

Description:	19.20MHz GTXO-83V/X SM VC-TCXO
Product family:	GTXO-83
Category:	SM VCTCXO
Order code:	MP12108

Additional Information

For further information regarding packaging, construction, material composition, soldering profile and environment, please refer to **GTXO-83 Product Information sheet**

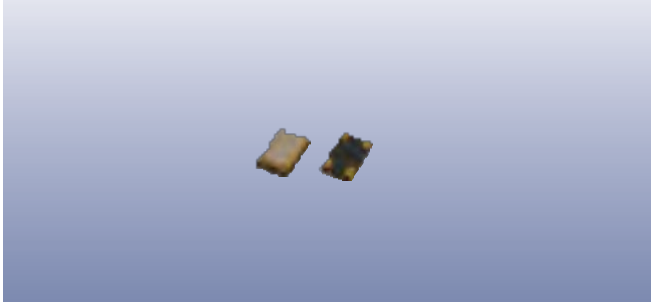
For dimensions, refer to package drawing: **D0282-B**

Electrical Specifications

Parameter	Value	Notes
Nominal frequency:	19.20MHz	
Frequency tolerance:	±1.5ppm max	@25°C ±3°C, 60 minutes after reflow
Temperature stability:	±2.5ppm max	
Supply voltage stability:	±0.2ppm max	
Operating temperature range:	-30 to +75°C	The operating temp range over which the freq stability is measured.
Storage temperature range:	-40 to +85°C	
Supply voltage (V_{DD}):	+3V	±5%
Supply current:	1.5mA max	@max supply voltage
Output waveform:	Clipped sine	1.0V p-p min +DC offset
Test load (Z_L):	10kΩ // 10pF	typical
Frequency adjustment:	±8ppm min, +1.5 ±1.0V	
Start up time:	3ms max	@+2.7V
Supply current:	1.5mA	
Linearity:	10% max	
Harmonic:	-8dBc max	
Phase noise:	-133dBc/Hz typ @1KHz	
Ageing:	±1.0ppm	@25°C ±5°C, per year.

Product Information

GTXO-83



Packaging & Handling

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

Static sensitive product. Observe proper handling precautions

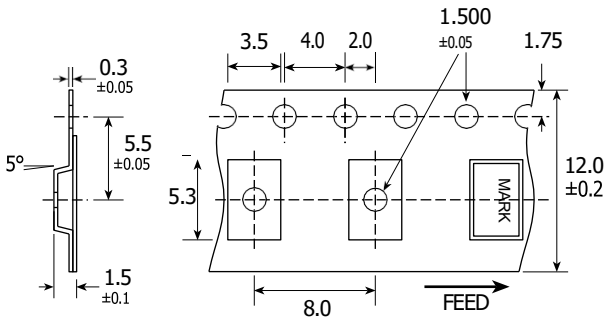
Marking

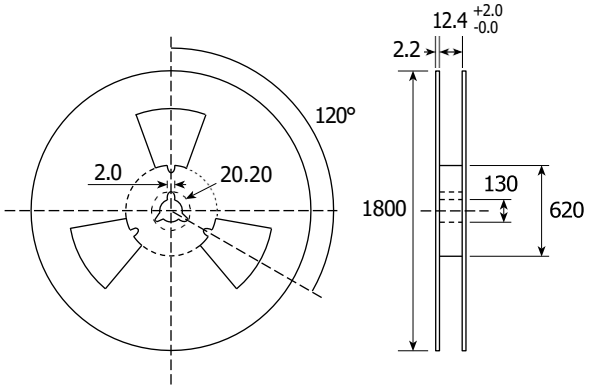
S83 DC
FREQUENCY

Marking type: Laser
DC = Date code in YM, eg "CE" = May 2013

	A	B	C	D	E	F	G	H	J	K	L	M
Y	1	2	3	4	5	6	7	8	9	0		
M	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

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

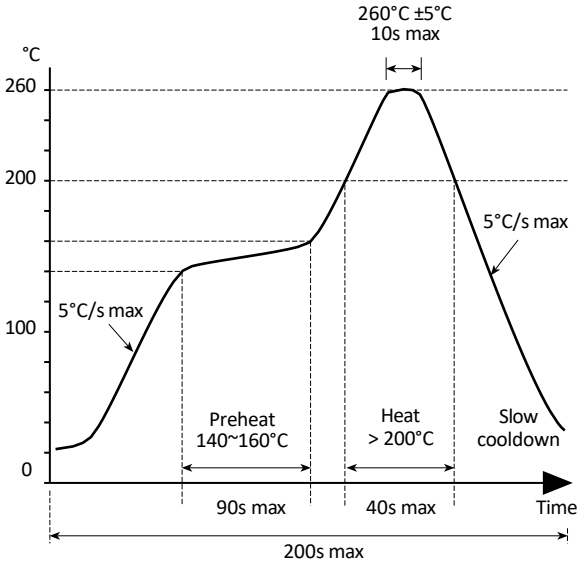
Composition

RoHS 2011/65/EU

This product is lead-free, and is fully compliant with the RoHS directive 2011/65/EU

Pb LeadFree

Soldering Profile

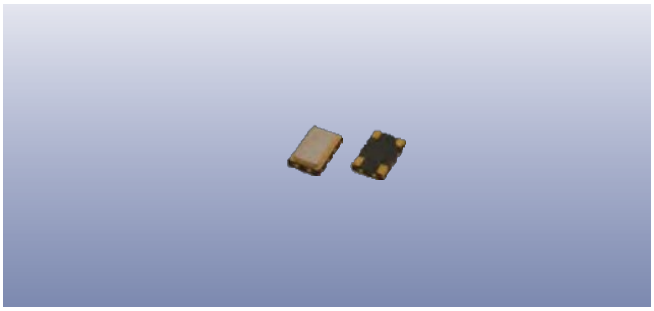


Solder resistance: 260°C x 10 secs x 2.

TechPoint Electronic Solutions Limited. Unit 1, V Park, Jays Close, Basingstoke, RG22 4PD. Company registration no. 06064546

Package Drawing

D0282-B



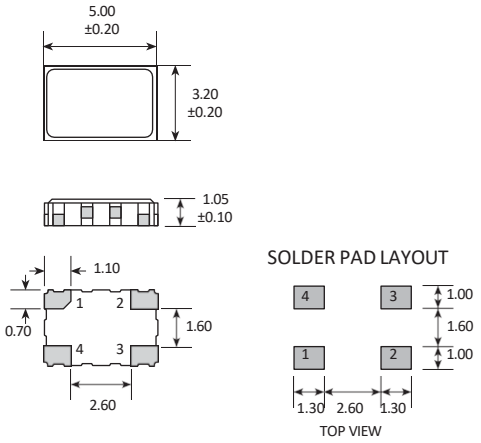
Product Family

GTXO-83

Construction

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

Dimensions (mm)



PAD	CONNECTION
1	Freq adjustment
2	Ground
3	Output
4	Supply