

Product Description

Description:	25.0MHz GTXO-C25L/JI SM TCXO
Product family:	GTXO-C25
Category:	SM TCXO
Order code:	MP10432

Features

- ▶ Low power consumption
- ▶ Enable / disable tristate function
- ▶ Excellent frequency stability

Additional Information

For further information regarding packaging, construction, material composition, soldering profile and environment, please refer to **GTXO-C25 Product Information sheet**

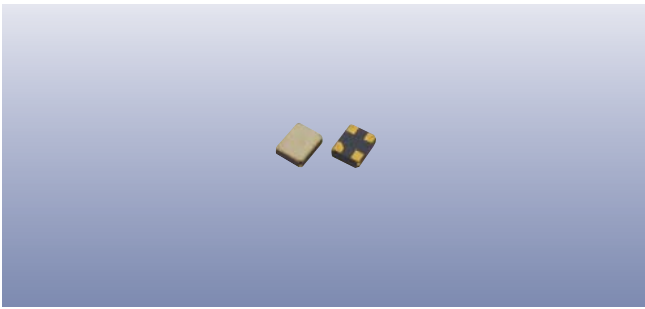
For dimensions, refer to package drawing: **D0290-C**

Electrical Specifications

Parameter	Value	Notes
Nominal frequency:	25.0MHz	
Frequency tolerance:	±2.0ppm max	@25°C ±3°C 60 mins after reflow
Temperature stability:	±2.5ppm max	
Supply voltage stability:	±0.2ppm max	V _{DD} ±5%
Operating temperature range:	-40 to +85°C	
Storage temperature range:	-40 to +125°C	
Supply voltage (V _{DD}):	+3.3V	±5%
Supply current:	5.5mA max	
Driving ability:	15pF CMOS	
Logic levels:	'0' level = 10%V _{DD} max '1' level = 90%V _{DD} min	
Waveform symmetry:	45:55	@ 50%V _{DD}
Ageing:	±1.0ppm max	First year
Period jitter RMS:	3ps typ	
Rise/fall time:	5ns max	
Standby current:	10µA max	
SSB phase noise:	-145dBc/Hz max @10kHz	

Enable / Disable Function

Input (pad 1)	Output (pad 3)
Open	Enabled
'1' level	Enabled
'0' level	High Impedance



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, 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

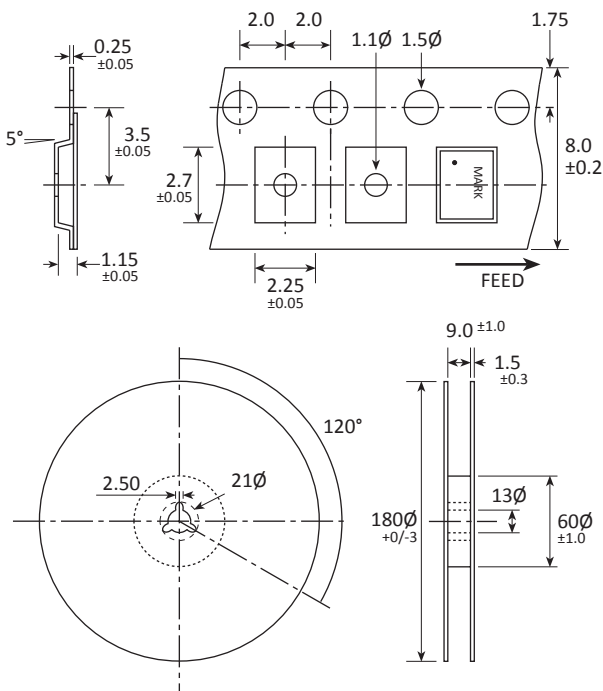
Marking

S	FREQUENCY
CTO	DC

Marking type: Laser
DC = Date code in YM, eg "GB" = Feb 2017

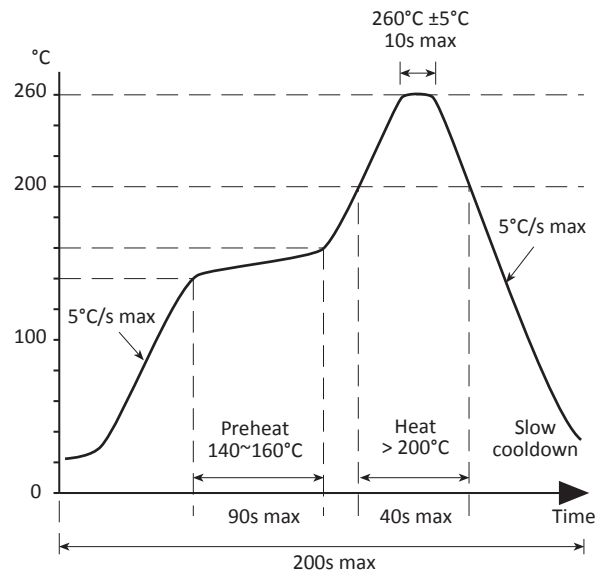
	A	B	C	D	E	F	G	H	J	K	L	M
Y	1	2	3	4	5	6	7	8	9	0		
M	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

Tape & Reel Specification

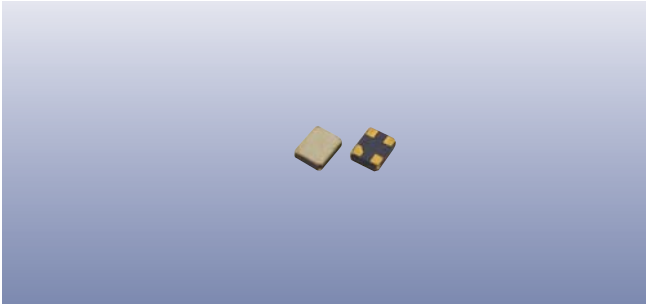


Not to scale. Dimensions in mm. Tolerances ±0.1mm unless otherwise stated

Soldering Profile



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



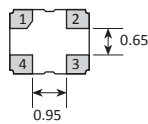
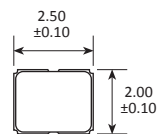
Product Family

GTXO-C25

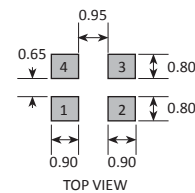
Construction

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

Dimensions (mm)



SOLDER PAD LAYOUT



PAD	CONNECTION
1	Enable/Disable
2	Ground
3	Output
4	Supply