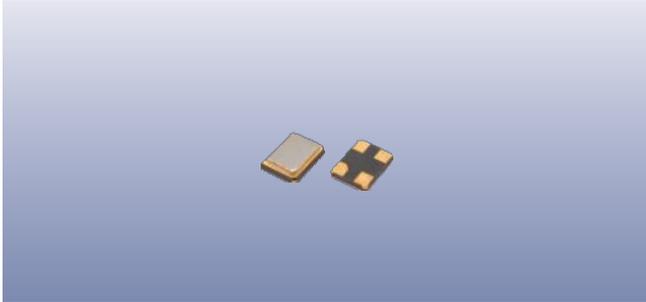




Specification

Part No: MP12641



Product Description

Description:	12.0MHz GSX-333/334AF SM Crystal 10pF
Product family:	GSX-333
Category:	SM Quartz Crystal
Order code:	MP12641

Additional Information

For further information regarding packaging, construction, material composition, soldering profile and environment, please refer to **GSX-333 Product Information sheet**

For dimensions, refer to package drawing: **D0262-A**

Electrical Specifications

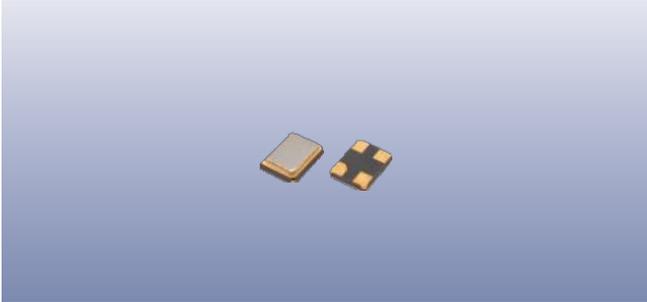
Parameter	Value	Notes
Nominal frequency:	12.0MHz	
Calibration tolerance:	±30ppm	Referred to the value at 25°C
Temperature stability:	±30ppm	
Temperature range:	-40 to +85°C	
Storage temperature range:	-55 to +125°C	
Circuit condition (C _J):	10pF	
Shunt capacitance:	1.5pF max	
Oscillation mode:	Fundamental	
Equivalent series resistance:	50Ω max	
Drive level:	10uW typ. 200uW max	
Ageing:	±5ppm	First year





Product Information

GSX-333



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

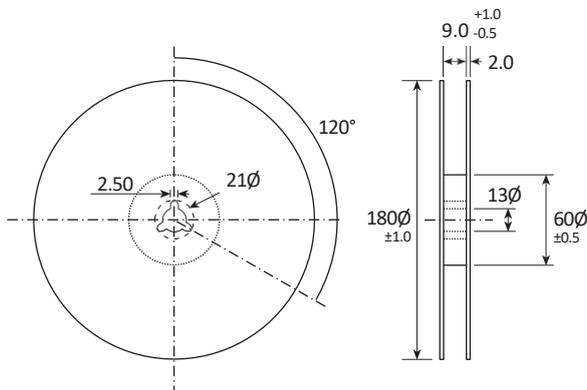
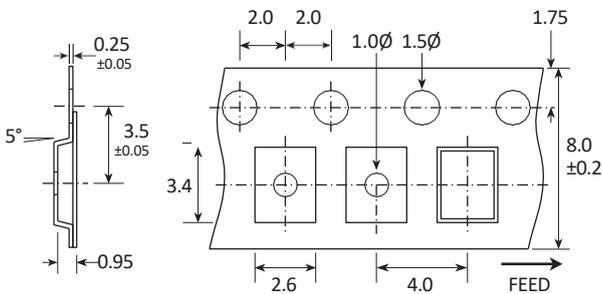
Production quantities supplied on T&R, 3k pcs per reel. Small quantities may be supplied on tape (no reel), or in bulk.

Marking

FREQUENCY
DC

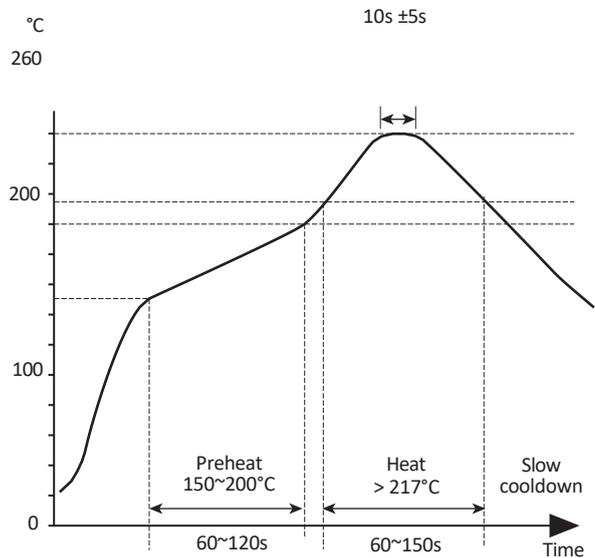
Marking type: Laser
DC = Date code

Tape & Reel Specification



Not to scale. Dimensional tolerances ±0.1mm unless otherwise stated.

Soldering Profile



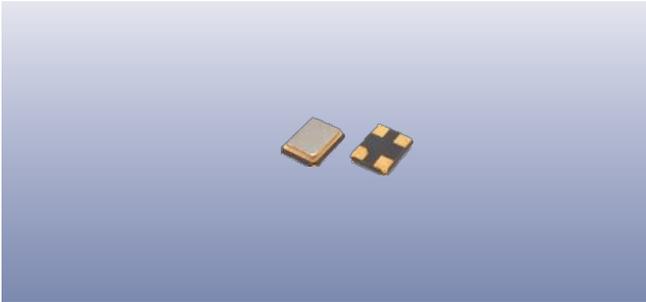
Lead free solderability limits 260°C ±5°C x 10s ±5s x 2.





Package Drawing

D0262-A



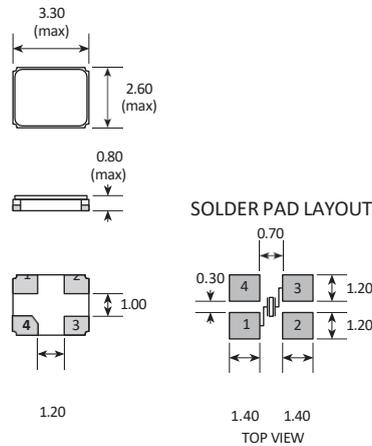
Product Family

GSX-333

Construction

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

Dimensions (mm)



PAD	CONNECTION
1	Crystal
2	Ground & lid
3	Crystal
4	Ground & lid

NOTE: Chamfer normally on pad 4, but may alternatively be supplied on pad 1.

