

Product Description

Description: 16.0MHz GSX-333/133DF SM Crystal

Product family: GSX-333

Category: SM Quartz Crystal

Order code: MA06977

Features

Metal lid can be grounded to minimise EMI

Seam sealed for excellent long-term stability

Ultra-miniature for maximum space saving

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

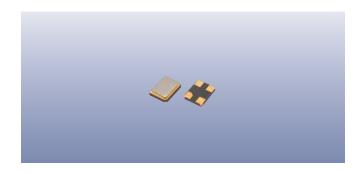
Electrical Specifications

Parameter	Value	Notes
Nominal frequency:	16.0MHz	
Calibration tolerance:	±10ppm	
Temperature stability:	±30ppm	
Operating temperature range:	-30 to +80°C	
Storage temperature range:	-40 to +85°C	
Circuit condition (C _L):	16pF	
Oscillation mode:	Fundamental	
Equivalent series resistance:	60Ω max	
Frequency perturbation:	±1ppm max	
Test drive level:	10μW	
Ageing:	±1ppm max	First year

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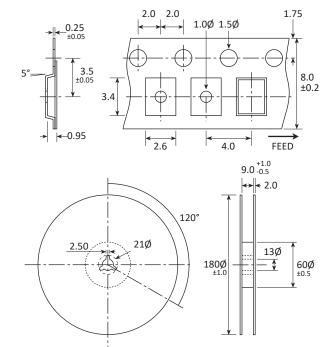
Packaging & Handling

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 $\pm 0.1 \text{mm}$ unless otherwise stated.

Construction

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

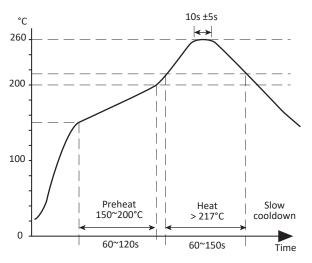
Composition



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



Soldering Profile



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

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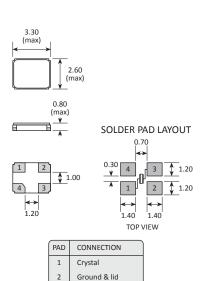
Product Family

GSX-333

Construction

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

Dimensions (mm)



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

Crystal Ground & lid

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