Specification

Part No: MP03482
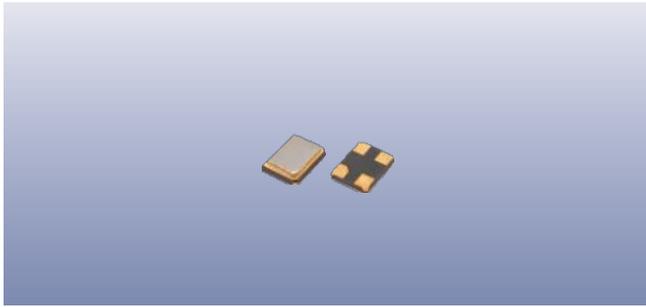
Product Description

Description:	25.0MHz GSX-333/224DF Crystal
Product family:	GSX-333
Category:	SM Quartz Crystal
Order code:	MP03482

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**
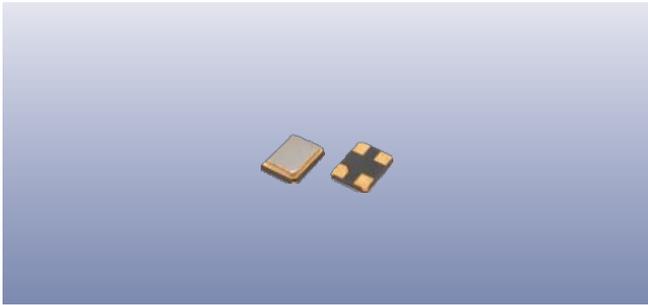
Electrical Specifications

Parameter	Value	Notes
Nominal frequency:	25.0MHz	
Calibration tolerance:	±20ppm	
Temperature stability:	±20ppm	
Temperature range:	-40 to +85°C	
Operable temperature range:	-40 to +85°C	
Circuit condition (C_L):	16pF	
Oscillation mode:	Fundamental	
Equivalent series resistance:	50Ω max	
Frequency perturbation:	±1ppm max	
Drive level:	10μW	
Ageing:	±1ppm max	First year

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Product Information

GSX-333

Construction

➥ **Ceramic body with gold-plated pads**

➥ **Metal lid, seam sealed**

Composition

✓ **RoHS** | This product is lead-free, and is fully compliant with current RoHS directives | **Pb** LeadFree
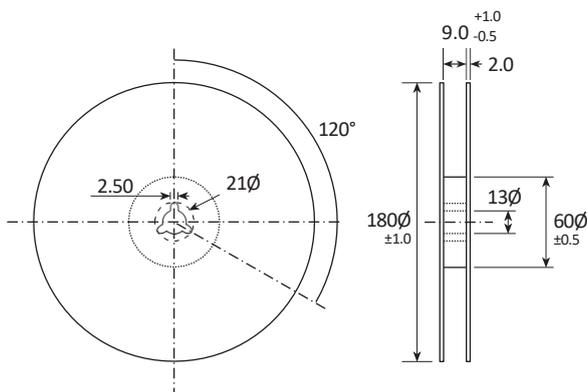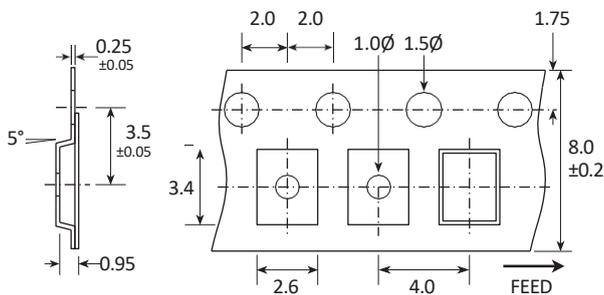
Packaging & Handling

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

Soldering Profile

Maximum solder resistance: 260°C x 10 secs x 2.
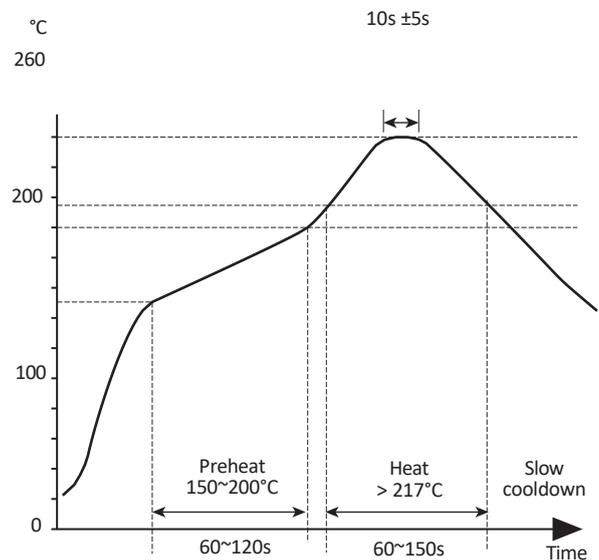
Marking

FREQUENCY
DC

Marking type: Laser
DC = Date code

Tape & Reel Specification

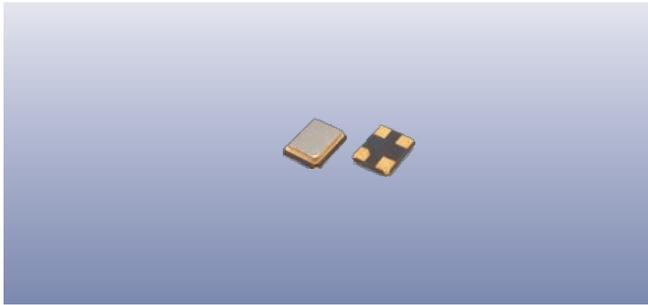Not to scale. Dimensional tolerances ±0.1mm unless otherwise stated.

Package Drawing

D0262-A

Product Family

GSX-333

Construction

➤ **Ceramic body with gold-plated pads**

➤ **Metal lid, seam sealed**

Dimensions (mm)

3.30 (max)

2.60 (max)

0.80 (max)

SOLDER PAD LAYOUT

0.70

0.30

| 4 | 3 | 1.20

| 1 | 2 | 1.20

1.00

1.20

1.40   1.40

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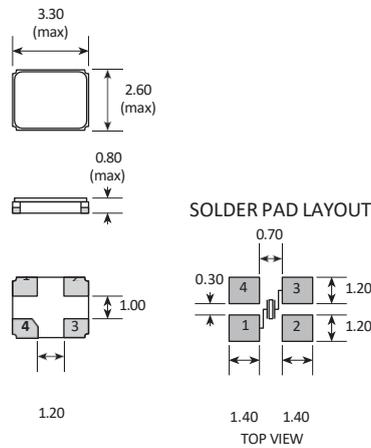
PAD	CONNECTION
1	Crystal
2	Ground & lid
3	Crystal
4	Ground & lid

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

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