



GO1535 Reference Crystal

DATA SHEET

KEY SPECIFICATIONS

- **frequency:** 14.140MHz
- **type of cut:** AT
- **mode:** fundamental
- **circuit condition:** series resonance
- **calibration tolerance at 25°C:** +/- 50ppm
- **stability/temperature range:** <100ppm / 0°C to +70°C
- **equivalent series resistance (Rs):** <35Ω
- **static capacitance (Co) < 5.0pF**
- **aging:** <5ppm/year
- **drive level:** <0.2mW
- **Pb-free**

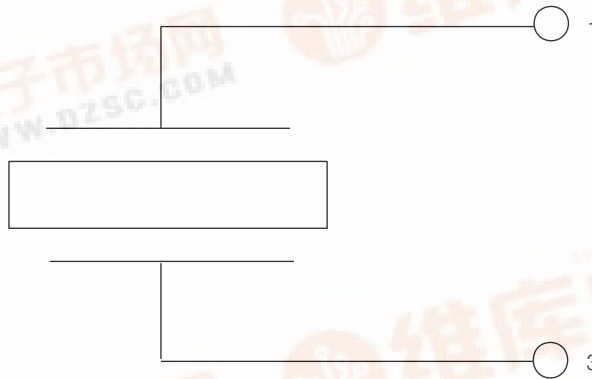
DESCRIPTION

The GO1535 Reference Crystal is a series-resonant AT-cut fundamental quartz crystal operating at 14.140MHz used as the reference resonator for the GS1535 Reclocker IC.

GO1535

ORDERING INFORMATION

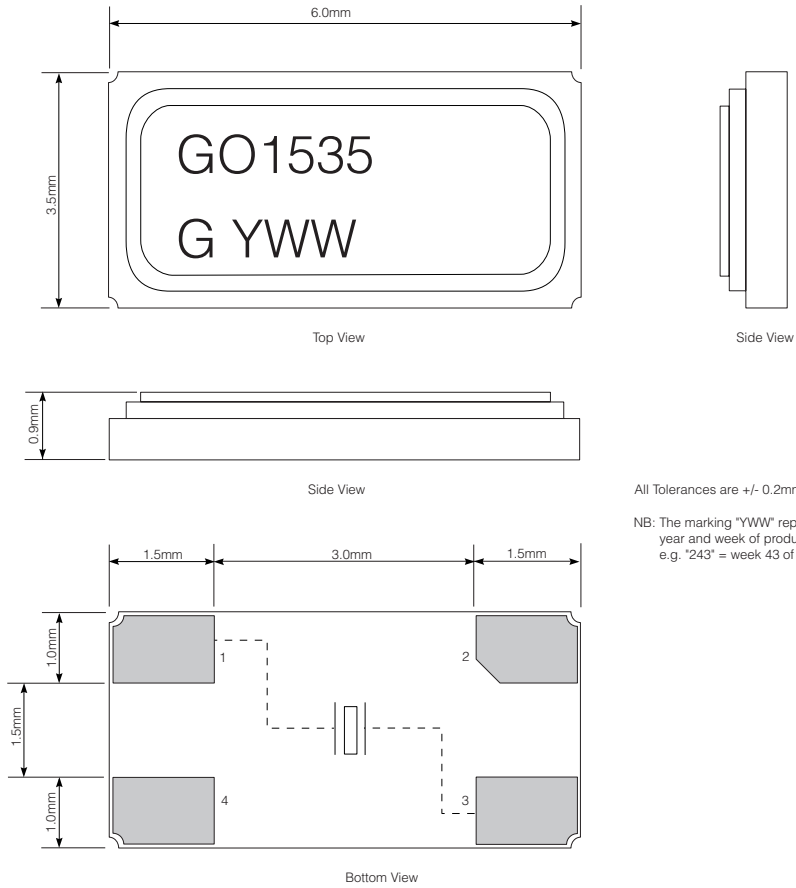
PART NUMBER	PACKAGE	TEMPERATURE	Pb-FREE
G01535-CTXE3	TSS-3B	0°C to 70°C	Yes



CIRCUIT DIAGRAM



PACKAGING INFORMATION

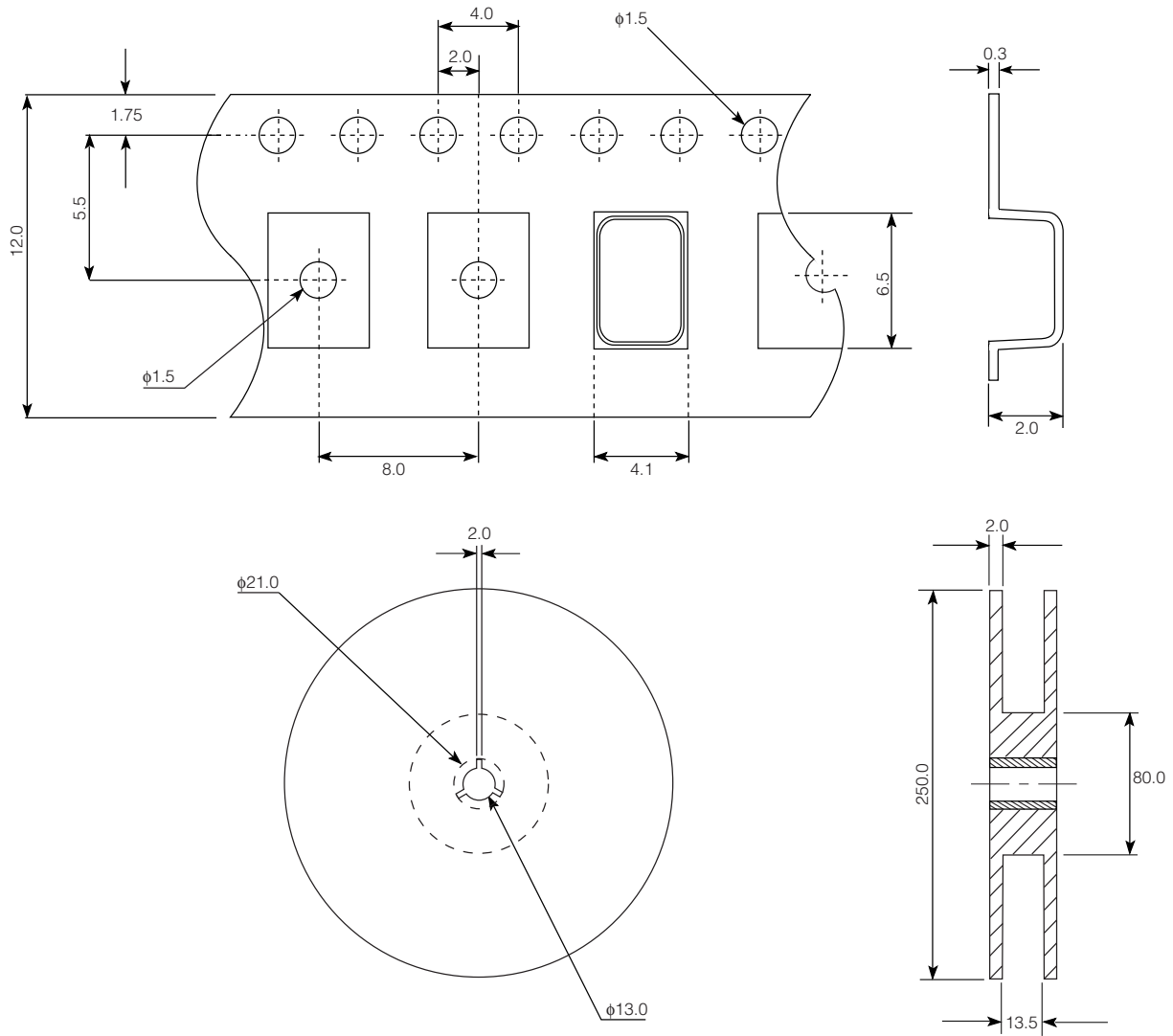


All Tolerances are +/- 0.2mm
 NB: The marking "YWW" represents the year and week of production
 e.g. '243' = week 43 of 2002

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Fig. 2 Package Dimensions

PACKAGING INFORMATION (CONTINUED)



Note: All Dimensions in Millimeters.
500 Pieces per Reel.

Fig. 3 Tape and Reel Dimensions

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SOLDER REFLOW PROFILES

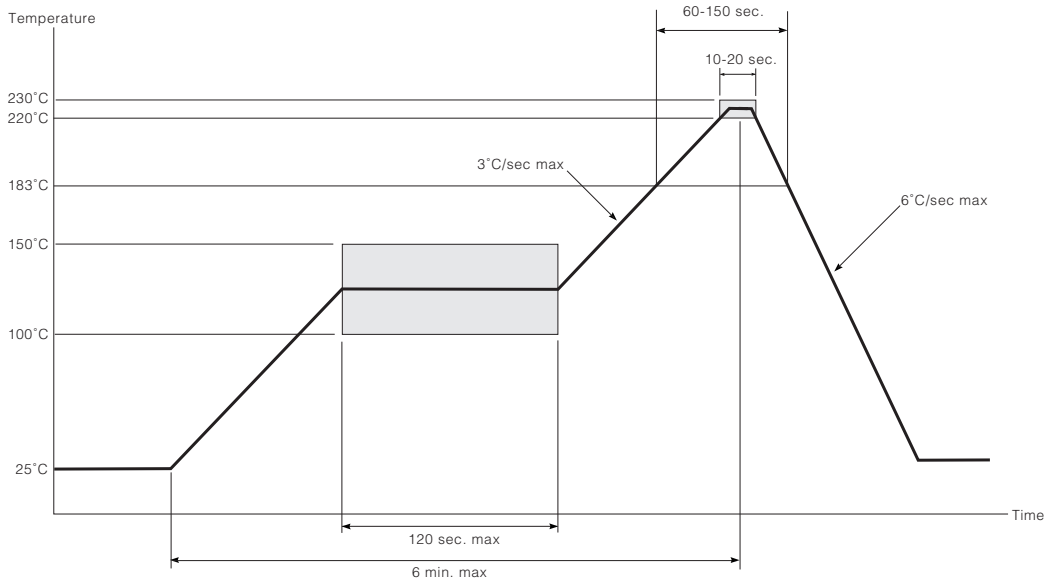


Fig. 4 Standard Eutectic Solder Reflow Profile

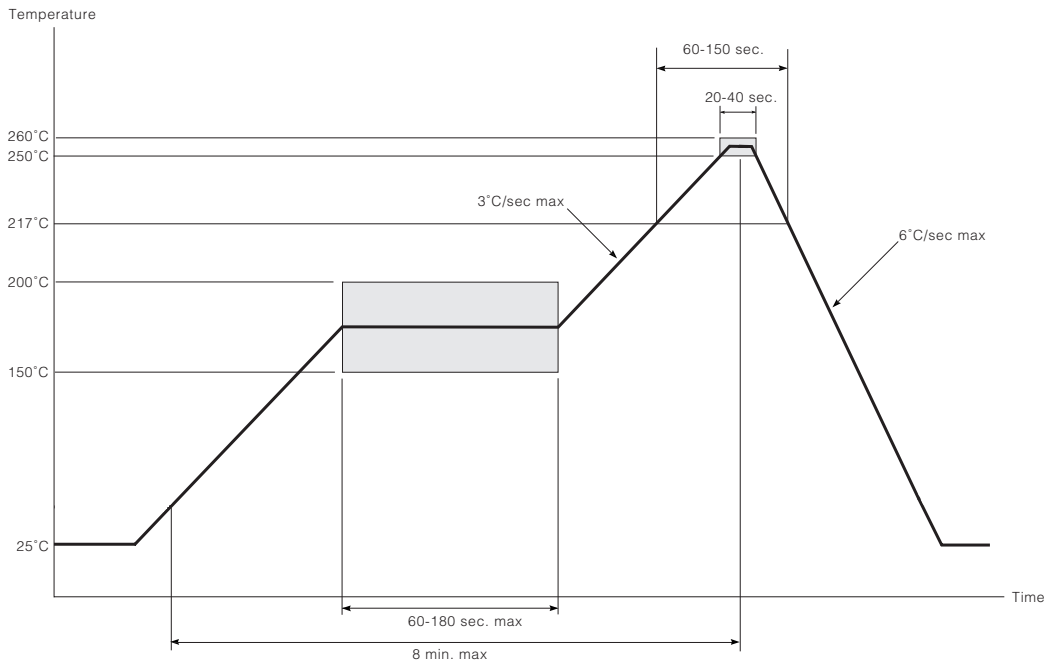


Fig. 5 Maximum Pb-free Solder Reflow Profile

CAUTION
ELECTROSTATIC
SENSITIVE DEVICES
DO NOT OPEN PACKAGES OR HANDLE
EXCEPT AT A STATIC-FREE WORKSTATION



DOCUMENT IDENTIFICATION
DATA SHEET
The product is in production. Gennum reserves the right to make changes at any time to improve reliability, function or design, in order to provide the best product possible.

REVISION NOTES:
Updated packages to reflect E3 packaging. Added 'Pb-free' bullet on front page. Added Pb-free solder reflow profile.

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