

KEY SPECIFICATIONS

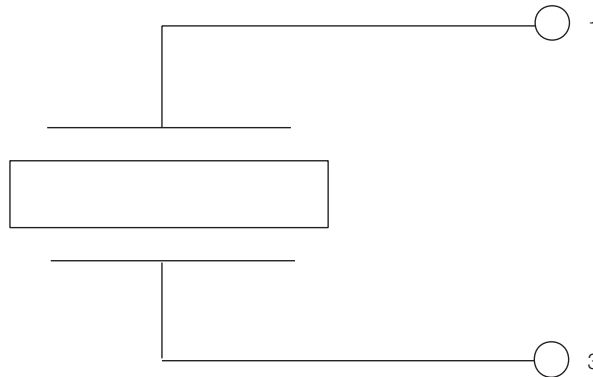
- **frequency:** 14.140MHz
- **type of cut:** AT
- **mode:** fundamental
- **circuit condition:** series resonance
- **calibration tolerance at 25°C:** +/- 50ppm
- **stability/temperature range:** <100ppm / 0°C to +70°C
- **equivalent series resistance (Rs):** <35Ω
- **static capacitance (Co)** < 5.0pF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

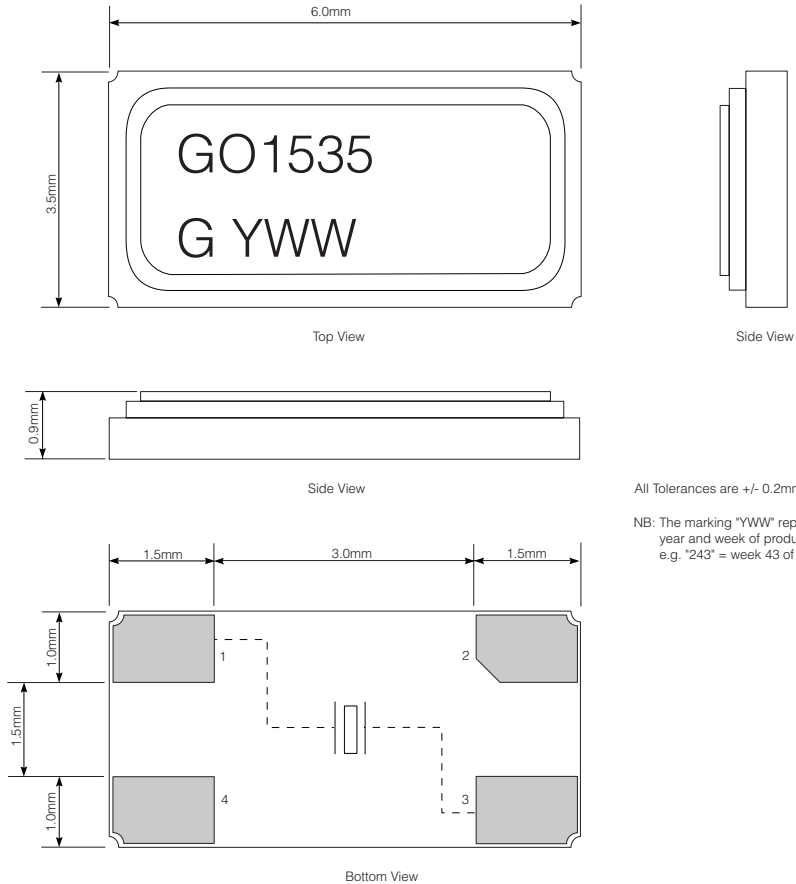
ORDERING INFORMATION

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



CIRCUIT DIAGRAM

PACKAGING INFORMATION



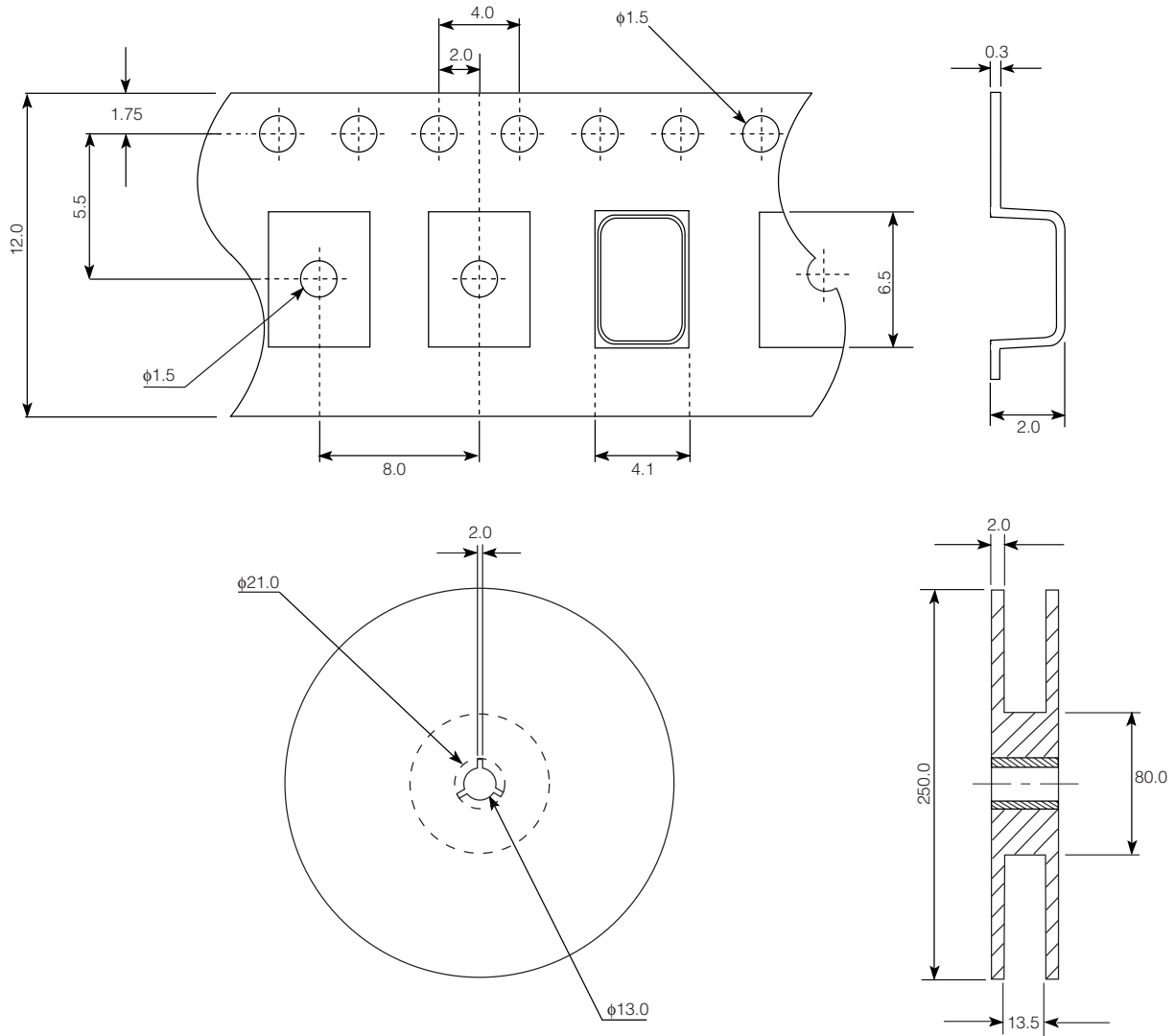
All Tolerances are +/- 0.2mm

NB: The marking "YWW" represents the year and week of production
e.g. "243" = week 43 of 2002

Fig. 2 Package Dimensions

GO1535

PACKAGING INFORMATION (CONTINUED)



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

Fig. 3 Tape and Reel Dimensions

GO1535

SOLDER REFLOW PROFILES

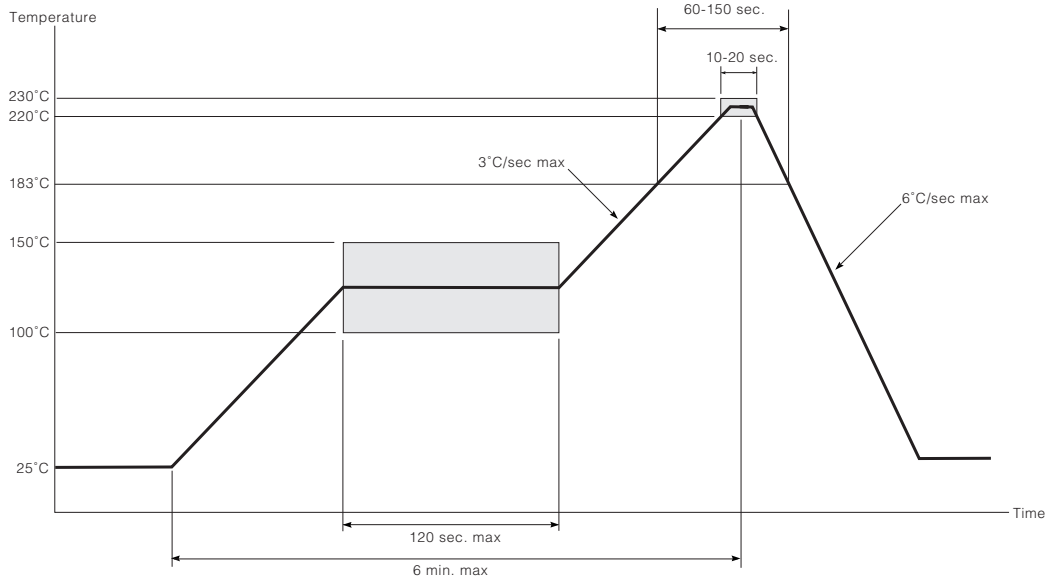


Fig. 4 Standard Eutectic Solder Reflow Profile

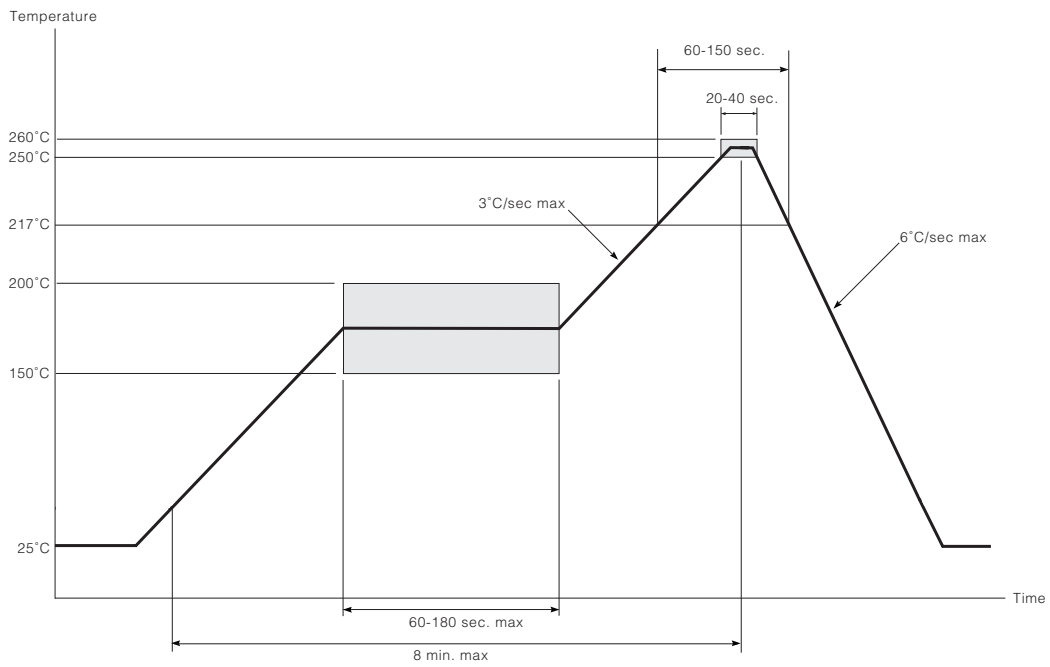


Fig. 5 Maximum Pb-free Solder Reflow Profile

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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