

## KEY SPECIFICATIONS

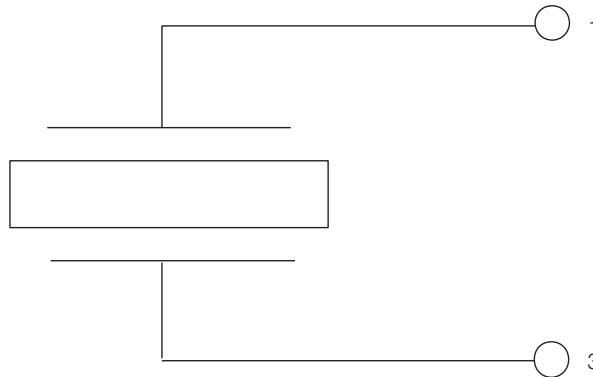
- **frequency:** 14.140MHz
- **type of cut:** AT
- **mode:** fundamental
- **circuit condition:** series resonance
- **calibration tolerance at 25°C:** +/- 50ppm
- **stability/temperature range:** <100ppm / 0°C to +70°C
- **equivalent series resistance (Rs):** <35Ω
- **static capacitance (Co)** < 5.0pF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

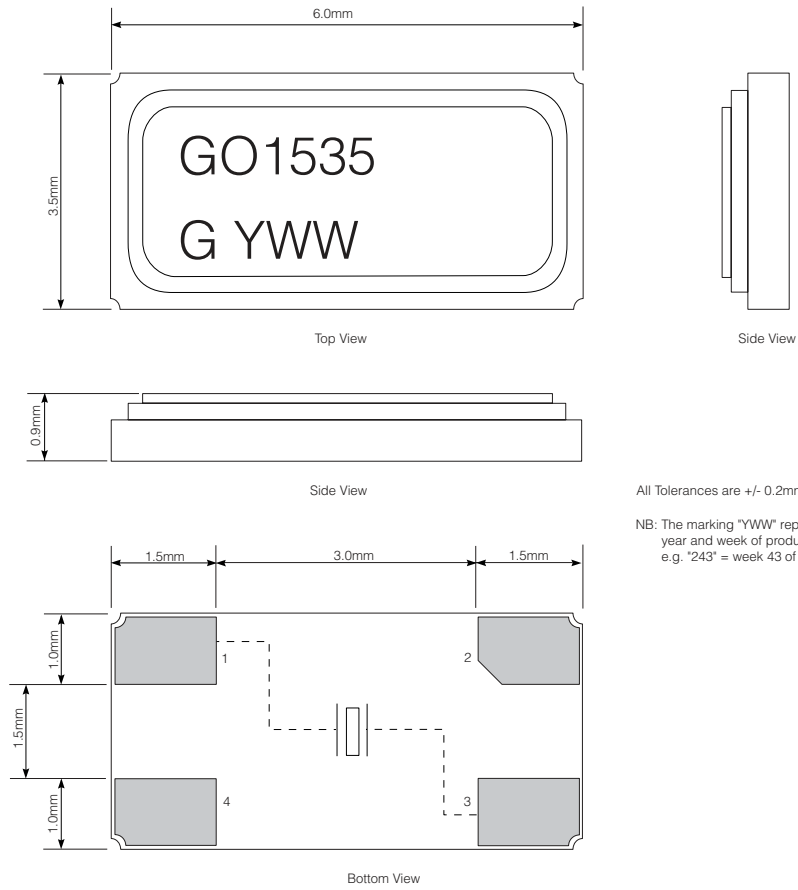
## ORDERING INFORMATION

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



**CIRCUIT DIAGRAM**

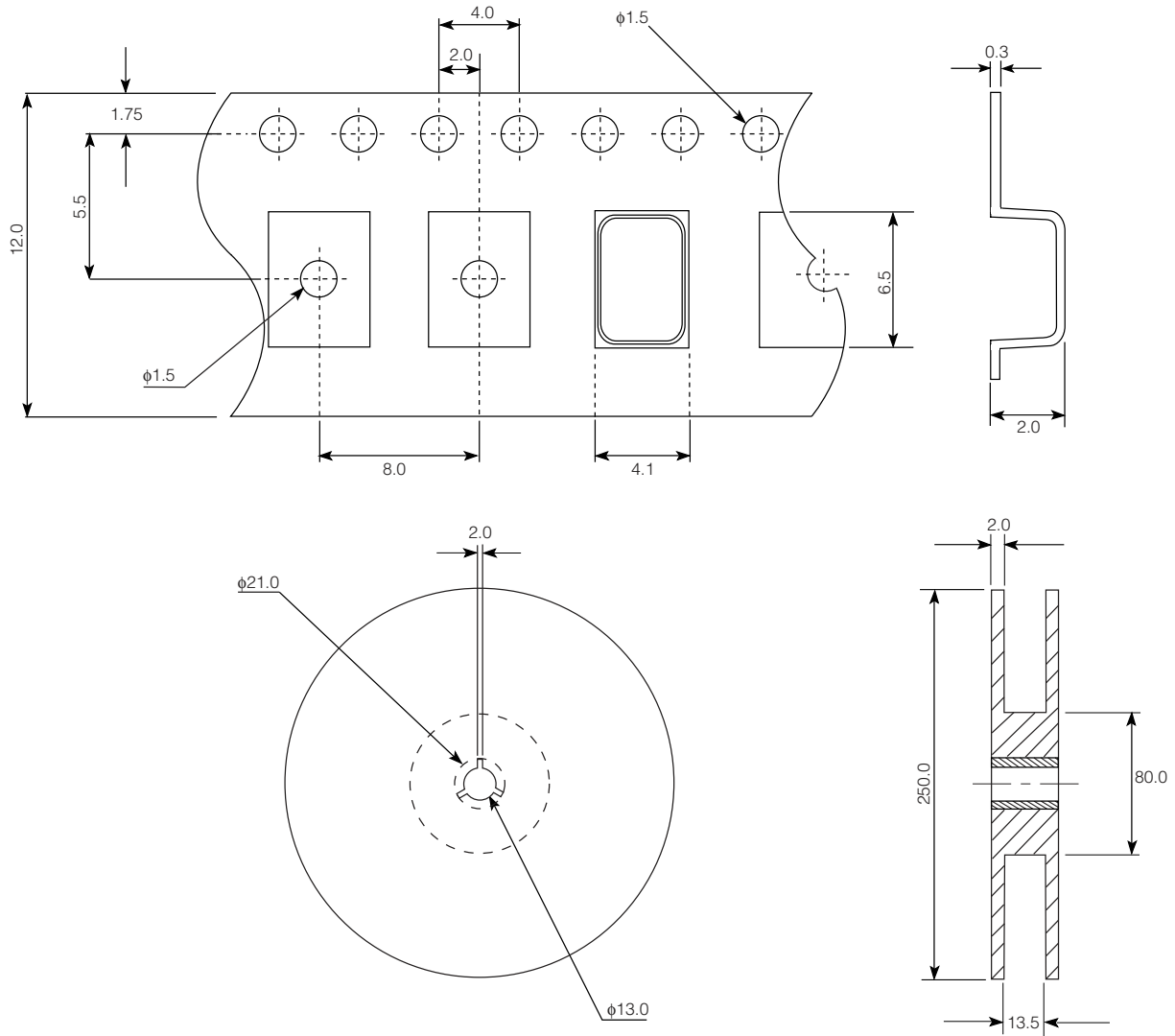
**PACKAGING INFORMATION**



**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

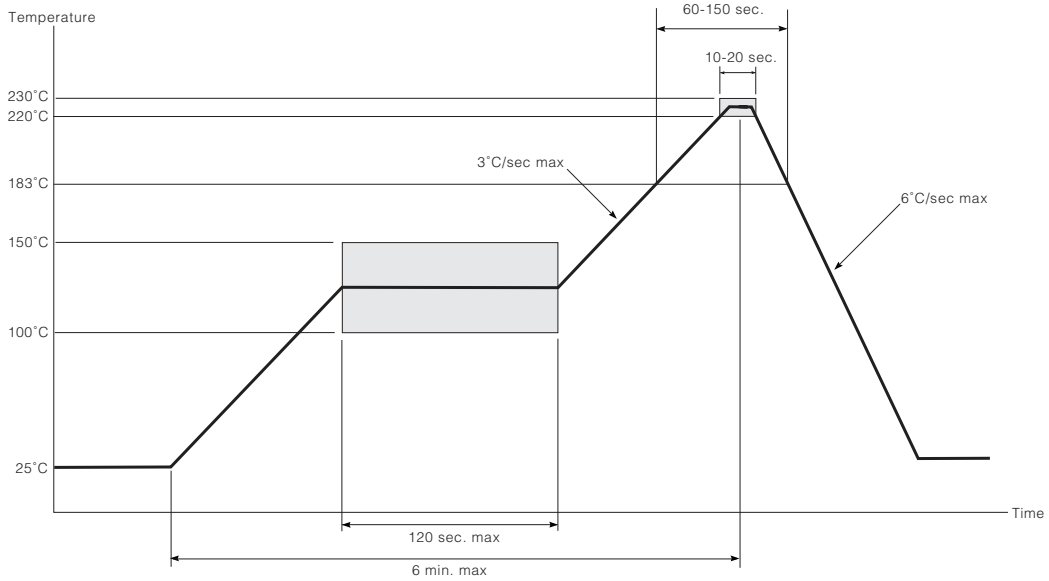


Fig. 4 Standard Eutectic Solder Reflow Profile

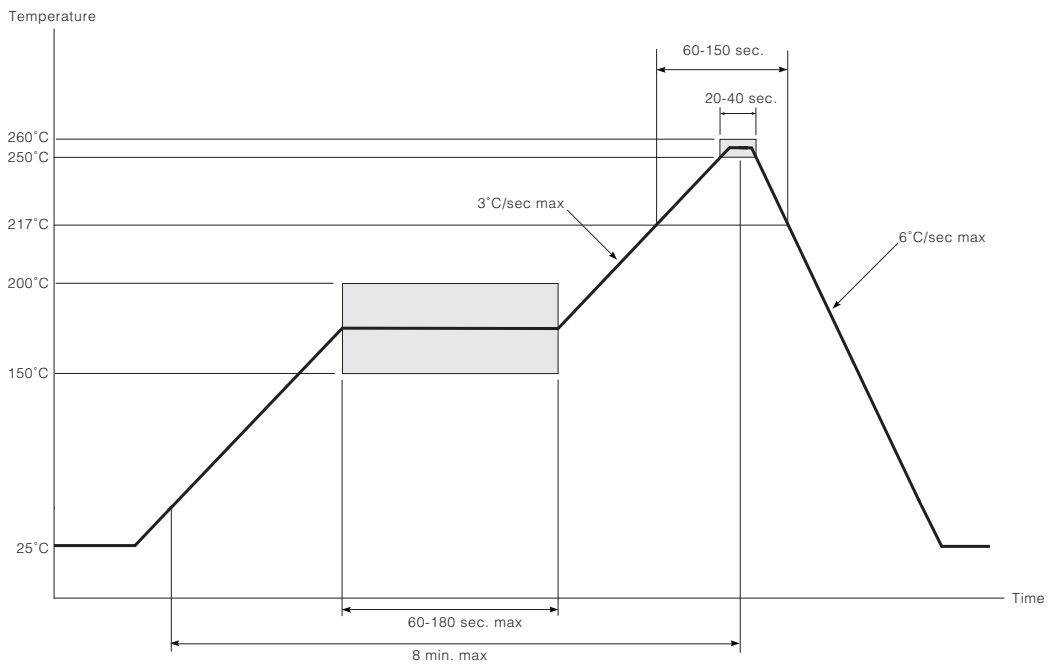


Fig. 5 Maximum Pb-free Solder Reflow Profile

**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.

**GENNUM CORPORATION**

MAILING ADDRESS:  
P.O. Box 489, Stn. A, Burlington, Ontario, Canada L7R 3Y3  
Tel. +1 (905) 632-2996 Fax. +1 (905) 632-5946

SHIPPING ADDRESS:  
970 Fraser Drive, Burlington, Ontario, Canada L7L 5P5

**GENNUM JAPAN CORPORATION**

Shinjuku Green Tower Building 27F, 6-14-1, Nishi Shinjuku,  
Shinjuku-ku, Tokyo, 160-0023 Japan  
Tel. +81 (03) 3349-5501, Fax. +81 (03) 3349-5505

**GENNUM UK LIMITED**

25 Long Garden Walk, Farnham, Surrey, England GU9 7HX  
Tel. +44 (0)1252 747 000 Fax +44 (0)1252 726 523

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