

KEY SPECIFICATIONS

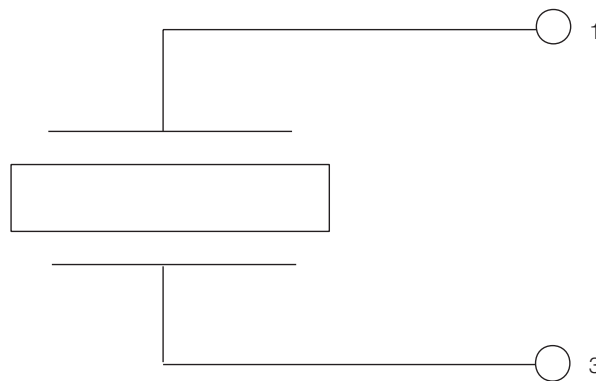
- **frequency:** 14.140MHz
- **type of cut:** AT
- **mode:** fundamental
- **circuit condition:** series resonance
- **calibration tolerance at 25°C:** +/- 50ppm
- **stability/temperature range:** <100ppm / 0°C to +70°C
- **equivalent series resistance (Rs):** <35Ω
- **static capacitance (Co)** < 5.0pF
- **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
GO1535-CTXE3	TSS-3B	0°C to 70°C	Yes



CIRCUIT DIAGRAM

PACKAGING INFORMATION

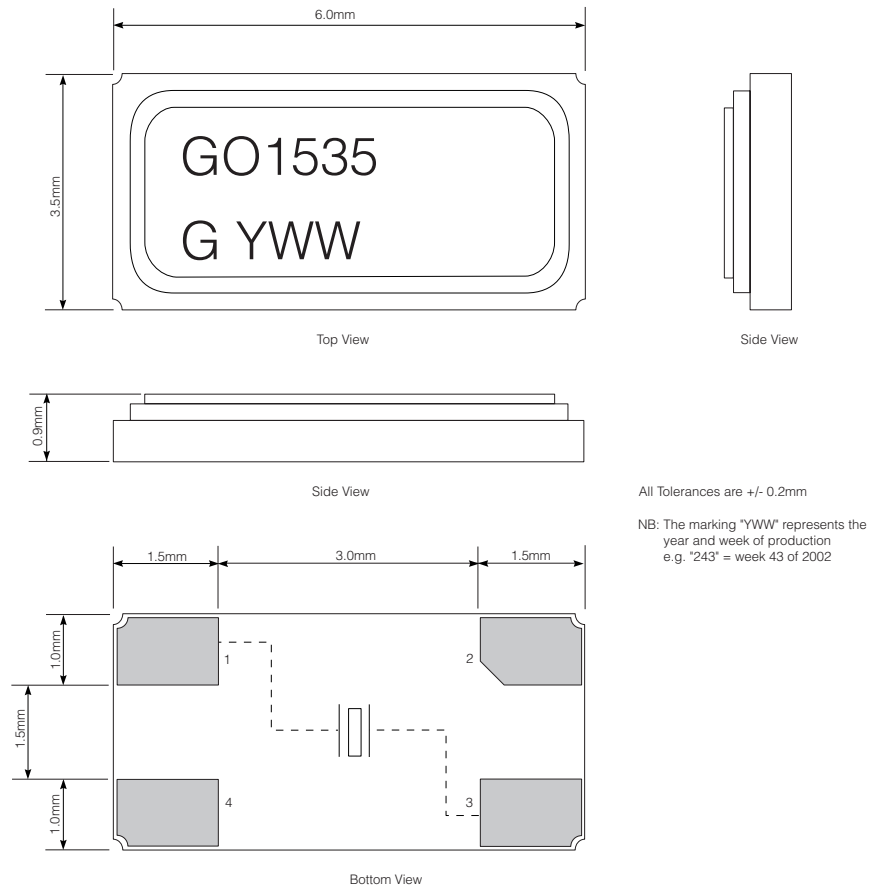
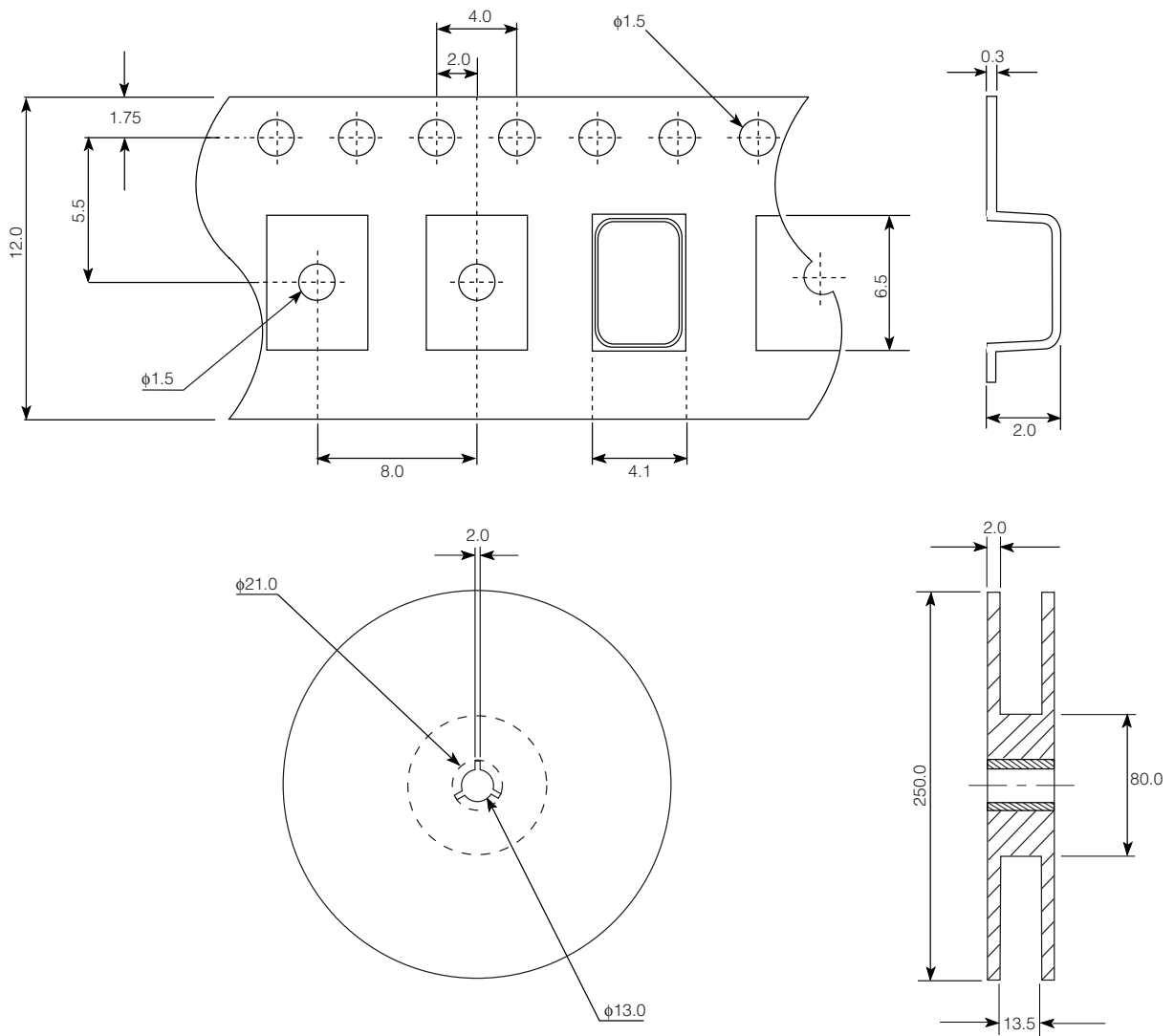


Fig. 2 Package Dimensions

PACKAGING INFORMATION (CONTINUED)



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

Fig. 3 Tape and Reel Dimensions

GO1535

SOLDER REFLOW PROFILES

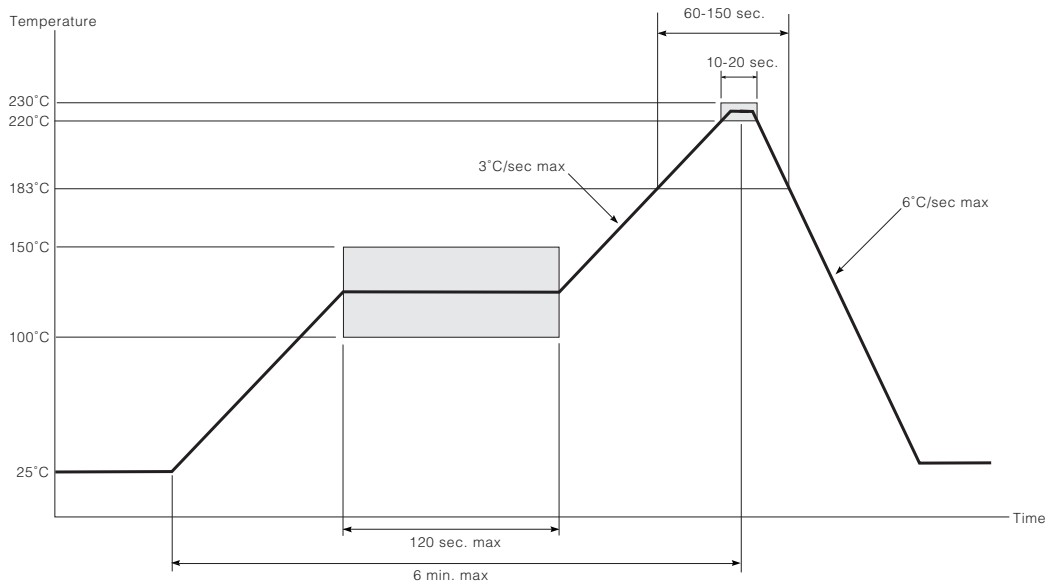


Fig. 4 Standard Eutectic Solder Reflow Profile

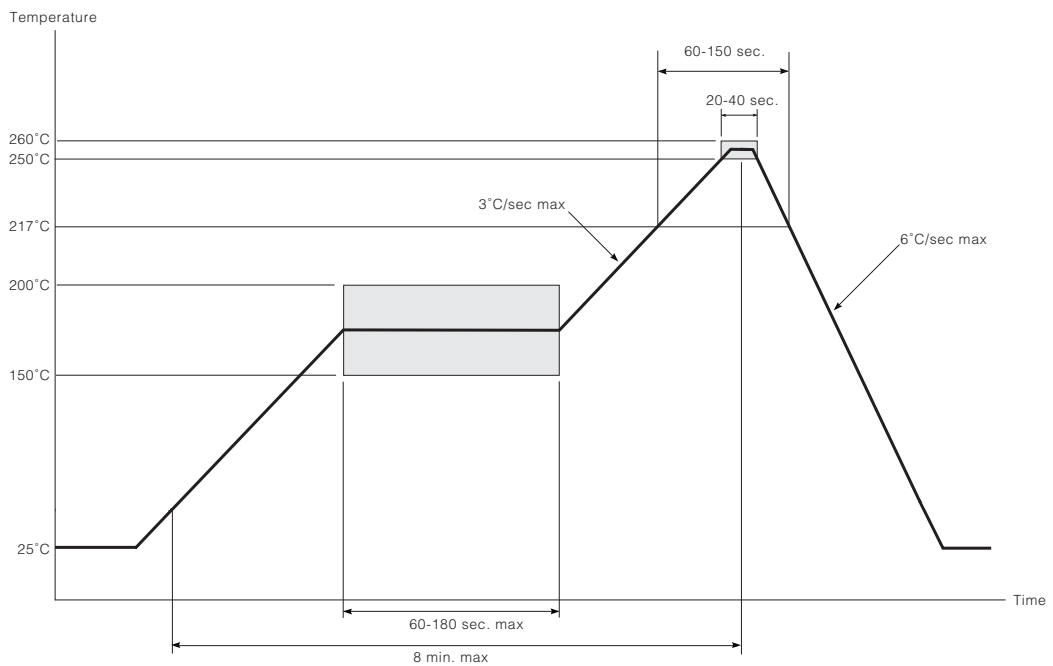


Fig. 5 Maximum Pb-free Solder Reflow Profile

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

Gennum Corporation assumes no responsibility for the use of any circuits described herein and makes no representations that they are free from patent infringement.

© Copyright July 2002 Gennum Corporation. All rights reserved. Printed in Canada.