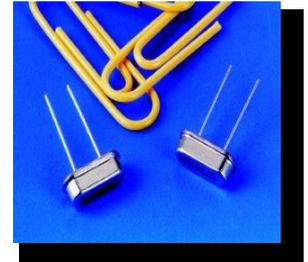
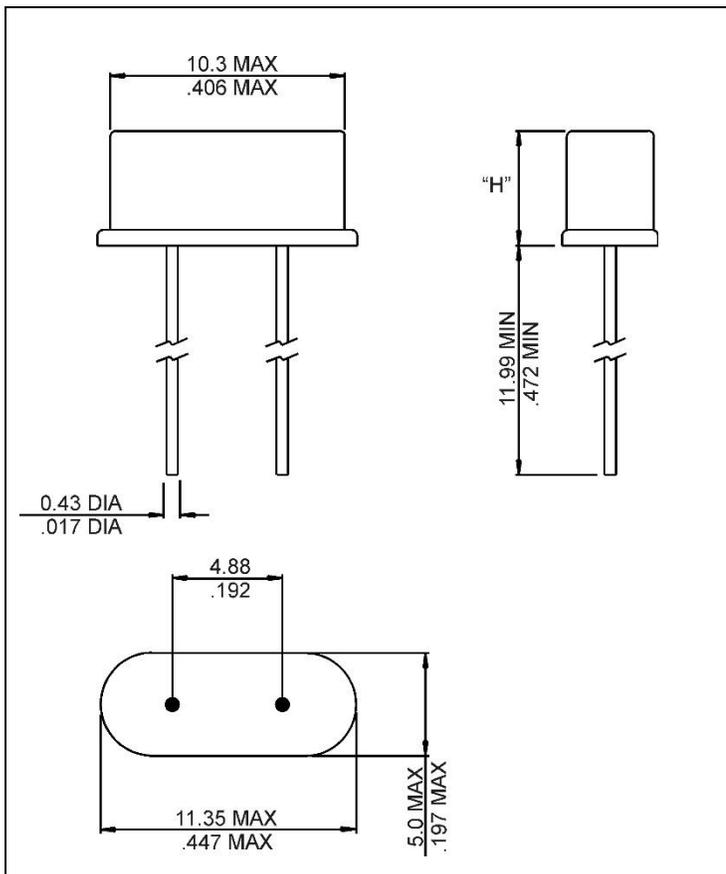


● SPECIFICATIONS

| PARAMETER | VALUE |
|--------------------------------------|---------------------|
| NOMINAL FREQUENCY | 3.6864 MHz |
| MODE OF OSCILLATION | Fundamental |
| FREQUENCY TOLERANCE AT 25°C | ±30 ppm max |
| FREQUENCY STABILITY OVER TEMPERATURE | ±50 ppm max |
| OPERATING TEMPERATURE RANGE | -20°C to +70°C |
| STORAGE TEMPERATURE RANGE | -55°C to +125°C |
| AGING | ±5 ppm per year max |
| LOAD CAPACITANCE | 18 pF |
| EQUIVALENT SERIES RESISTANCE | 150 Ω max |
| SHUNT CAPACITANCE | 7 pF max |
| DRIVE LEVEL | 1000 μW max |
| REFLOW CONDITIONS | 260°C for 10s max |



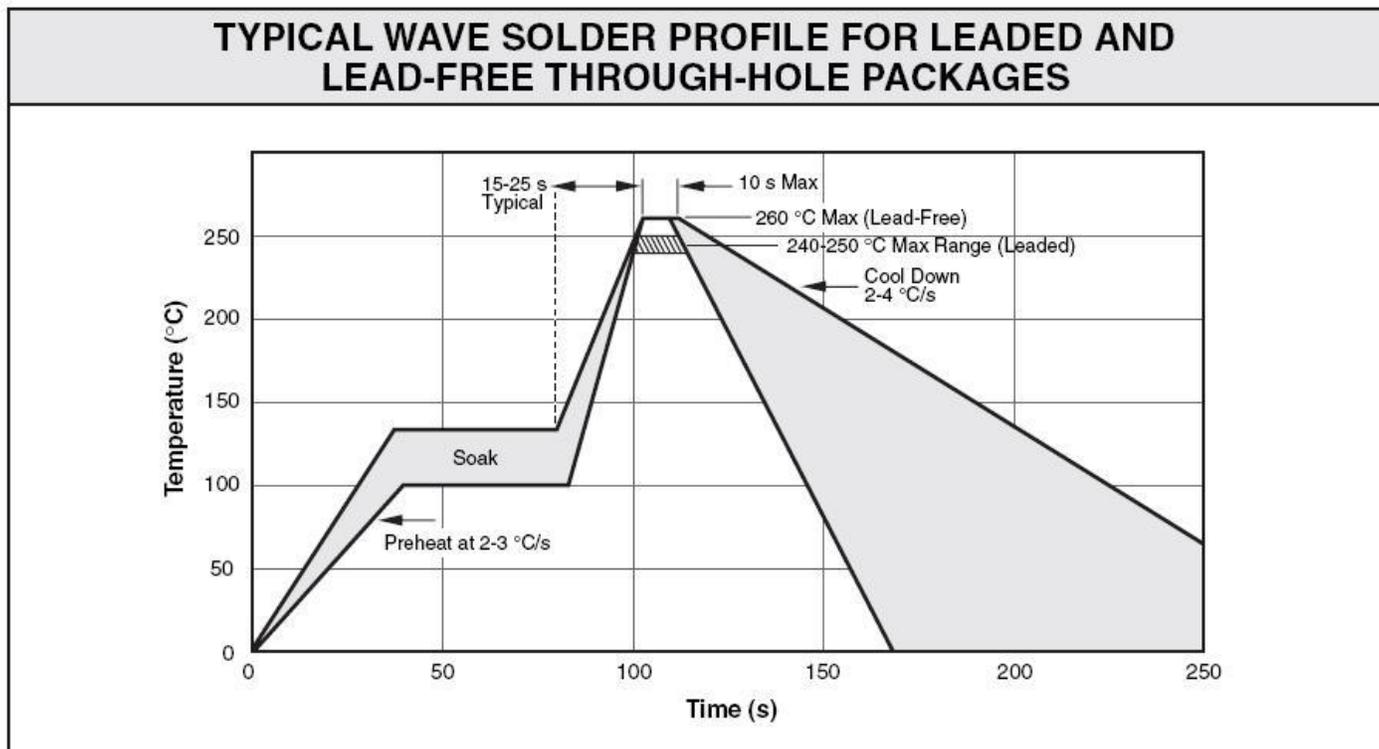
● MECHANICAL SPECIFICATION



H=3.5 mm



● WAVE SOLDER PROFILE



| Wave Solder profile | | |
|---|--------------------------------------|--------------------------------------|
| Profile Feature | SnPb eutectic | Pb-Free |
| Average ramp-up rate | ~200°C/second | ~200°C/second |
| Heating Rate during preheat | typical 1-2°/second max 4°/second | typical 1-2°/second max 4°/second |
| Final preheat temperature, T _S | ~130°C | ~130°C |
| Peak temperature, T _P | 235°C | 260°C |
| Time within +0°C / -5°C of actual temperature, t _P | 10 seconds | 10 seconds |
| Ramp-down rate | 5°C/second max. | 5°C/second max. |

NOTE: This document should serve as recommendation only. Other parameters may also affect soldering, this profile does not guarantee absolute success. Soldering profile should be determined by the equipment manufacturer and customers' process engineer.

● ENVIRONMENTAL

| PARAMETER | VALUE |
|----------------------------|-----------|
| MOISTURE SENSITIVITY LEVEL | 1 |
| RoHS | Compliant |
| REACH SVHC | Compliant |
| HALOGEN-FREE | Compliant |
| ESD CLASSIFICATION LEVEL | N/A |
| TERMINATION FINISH | Sn |



MARKING

R036xxByw

x – Internal Production ID code
y – Year code
w – Week code

| YEAR CODE | |
|-----------|------|
| Year | Code |
| 2015 | 5 |
| 2016 | 6 |
| 2017 | 7 |
| 2018 | 8 |
| 2019 | 9 |
| 2020 | 0 |
| 2021 | 1 |
| 2022 | 2 |
| 2023 | 3 |
| 2024 | 4 |
| 2025 | 5 |

| ALPHA WEEK CODE TABLE | | | | | |
|-----------------------|------|------|------|------|------|
| Week | Code | Week | Code | Week | Code |
| 1 | a | 19 | s | 37 | K |
| 2 | b | 20 | t | 38 | L |
| 3 | c | 21 | u | 39 | M |
| 4 | d | 22 | v | 40 | N |
| 5 | e | 23 | w | 41 | O |
| 6 | f | 24 | x | 42 | P |
| 7 | g | 25 | y | 43 | Q |
| 8 | h | 26 | z | 44 | R |
| 9 | i | 27 | A | 45 | S |
| 10 | j | 28 | B | 46 | T |
| 11 | k | 29 | C | 47 | U |
| 12 | l | 30 | D | 48 | V |
| 13 | m | 31 | E | 49 | W |
| 14 | n | 32 | F | 50 | X |
| 15 | o | 33 | G | 51 | Y |
| 16 | p | 34 | H | 52 | Z |
| 17 | q | 35 | I | | |
| 18 | r | 36 | J | | |

APPROVAL

| | |
|--------------|--------------------------|
| DRAWN BY: | XLiu, February 20, 2020 |
| APPROVED BY: | Jlvns, February 20, 2020 |
| REVISION: | A, Initial Release |

Raltron Electronics / RAMI Technology USA, LLC, including its affiliates, employees, agents and other persons acting on its behalf (collectively Raltron/RAMI Tech), disclaim any and all liability for any errors or inaccuracies contained in this data sheet. While Raltron/RAMI Tech has made every reasonable effort ensure the accuracy of all product information, specifications and data contained herein, Raltron/RAMI Tech does not guarantee that the information is accurate, reliable or current. The product information is provided only for reference purposes only and is subject to change, correction or revision, at any time without notice. Raltron/RAMI Tech does not assume any liability arising out of an application or use of any product described herein and disclaims any warranties expressed or implied. The user of products in such applications shall assume all risks of such use and will agree to hold Raltron/RAMI Tech, harmless against all damages.

Copyright © 2016, Raltron Electronics / RAMI Technology USA, LLC. All rights reserved. No part of this document may be reproduced in any form without the prior written permission of Raltron Electronics / RAMI Technology USA, LLC.