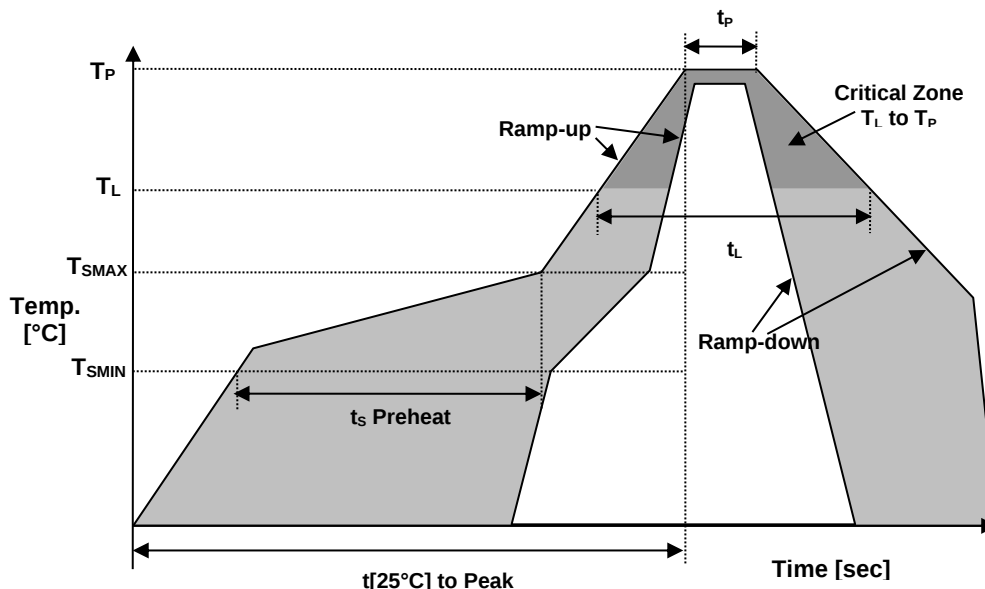


Photo is not actual part

## REFLOW PROFILE



| Reflow profile                                  |                    |              |
|-------------------------------------------------|--------------------|--------------|
| Temperature Min Preheat                         | T <sub>S</sub> MIN | 125°C        |
| Temperature Max Preheat                         | T <sub>S</sub> MAX | 150°C        |
| Time (T <sub>S</sub> MIN to T <sub>S</sub> MAX) | t <sub>s</sub>     | 60-180 sec.  |
| Temperature                                     | T <sub>L</sub>     | 217°C        |
| Peak Temperature                                | T <sub>P</sub>     | 260°C        |
| Ramp-up rate                                    | R <sub>UP</sub>    | 3°C/sec max. |
| Ramp-down rate                                  | R <sub>DOWN</sub>  | 6°C/sec max. |
| Time within 5°C of Peak Temperature             | t <sub>p</sub>     | 10 sec.      |
| Time t[25°C] to Peak Temperature                | t[25°C] to Peak    | 480 sec.     |
| Time                                            | t <sub>L</sub>     | 60-150 sec.  |

## ENVIRONMENTAL

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



## ● MARKING

R24.000

xxBDyw

x – Internal Production ID code

y – Year code

w – Week code

| YEAR CODE |      |
|-----------|------|
| Year      | Code |
| 2011      | 1    |
| 2012      | 2    |
| 2013      | 3    |
| 2014      | 4    |
| 2015      | 5    |
| 2016      | 6    |
| 2017      | 7    |
| 2018      | 8    |
| 2019      | 9    |

| 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

| RALTRON      |                                                                                                 |
|--------------|-------------------------------------------------------------------------------------------------|
| DRAWN BY:    | KJackson, March 5, 2015                                                                         |
| APPROVED BY: | KJackson, March 5, 2015                                                                         |
| REVISION:    | A, Initial Release                                                                              |
|              | B, Changed Peak Temperature to 245 degrees C 3/23/16                                            |
|              | C, Changed Peak Temperature to 260°C and Time t[25°C] to Peak Temperature to 480 sec KJ 8/31/16 |
|              | D, Pre-heat time corrected to 60-180 sec KJ 9/8/16                                              |
|              | E, Updated the Current Revision Levels AR, June 03,2020                                         |

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