

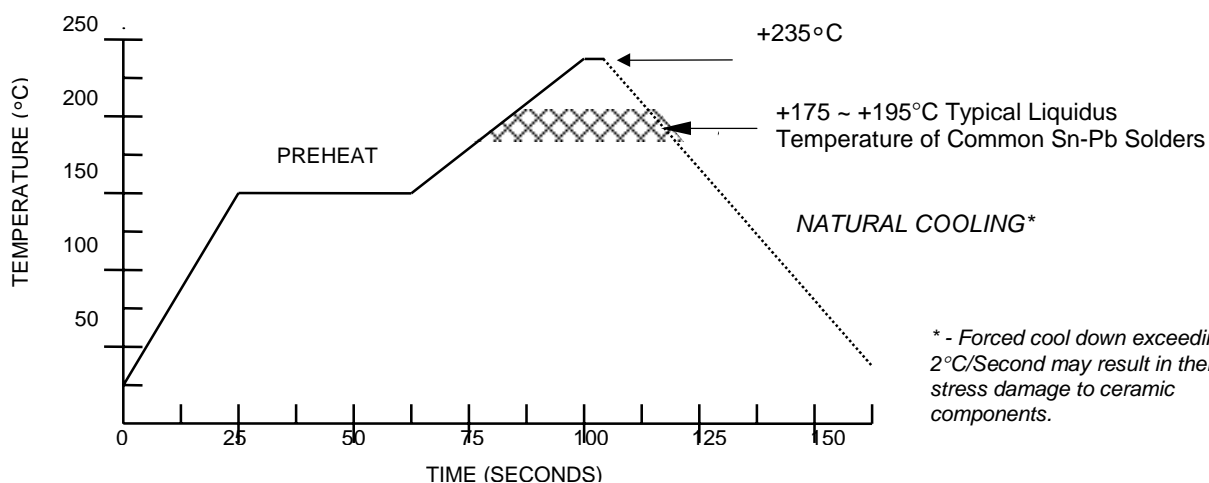


NIC COMPONENTS CORP.

70 Maxess Road • Melville, New York 11747

(631) 936-7500 • Fax (631) 396-7575

RECOMMENDED REFLOW SOLDERING PROFILE (General SMT Products)



TEMPERATURE LIMITS

| Peak Temperature | Max. Duration |
|------------------|---------------|
| +260°C | 5 SECONDS |
| +250°C | 15 SECONDS |
| +240°C | 25 SECONDS |
| +230°C | 40 SECONDS |

The above reflow soldering profile and temperature limits applies to the following NIC surface mount products:

- **NMC** series... Ceramic Chip Capacitors
- **NRC** and **NRSN** series... Thick Film Chip Resistors and Resistor Arrays
- **NTC** series... Tantalum Chip Capacitors
- **NTHC** series... NTC Chip Thermistors
- **NIS** series... 0402/0603 Chip Inductors
- **NCB** series... Ferrite Chip Beads
- **NRD** and **NSD** series... Silicon and Schottky Barrier Rectifier Diodes

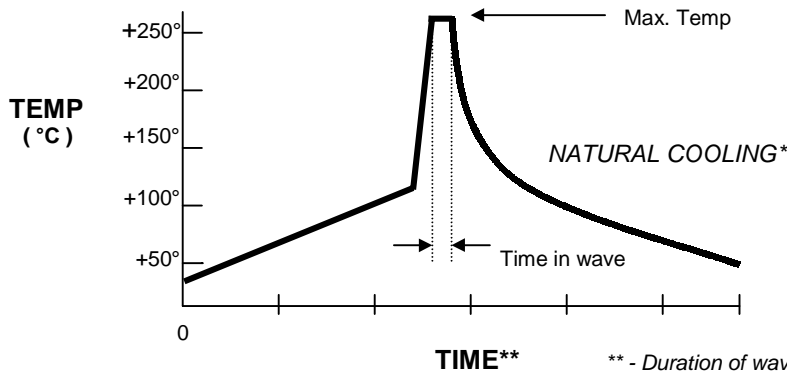


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RECOMMENDED FLOW-WAVE SOLDERING PROFILE (General SMT Products)



* - Forced cool down exceeding 2°C/Second may result in thermal stress damage to ceramic components.

** - Duration of wave soldering cycle is not component dependent. All products identified below can withstand direct immersion in solder without pre-heat. Maximum time within the wave is identified for each component style below.

The above flow-wave soldering profile applies to the following NIC surface mount product series:

| Series | Type | Max. Temp. | Max. Time in Wave |
|----------------------------|---|------------|-------------------|
| NMC | Ceramic Chip Capacitors | +260°C | 10 Seconds |
| NRC NRSN | Thick Film Chip Resistors and Resistor Arrays | | |
| NIS | 0402/0603 Chip Inductors | | |
| NTC | Tantalum Chip Capacitors | +260°C | 5 Seconds |
| NIN | Wirewound Chip Inductors | | |
| NCB | Ferrite Chip Beads | +250°C | 10 Seconds |
| NRD NSD | Silicon and Schottky Barrier Rectifier Diodes | | |
| NTHC | NTC Chip Thermistors | | |
| NSFC NSPC | Stacked Film Chip Capacitors | +250°C | 5 Seconds |