

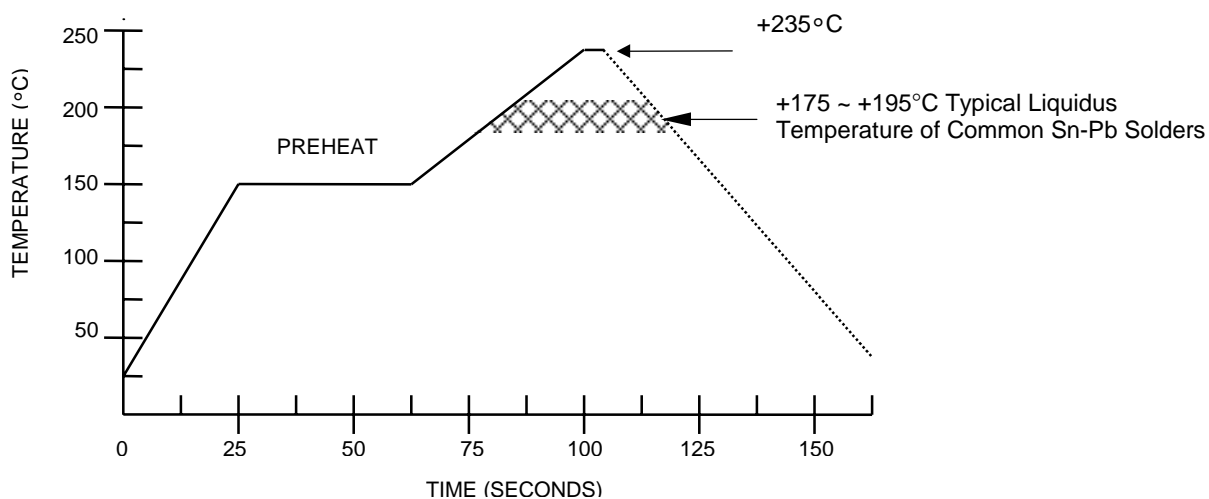


NIC COMPONENTS CORP.

70 Maxess Road • Melville, New York 11747

(516) 936-7500 • Fax (516) 396-7575

## RECOMMENDED REFLOW SOLDERING PROFILE (General SMT Products)



### TEMPERATURE LIMITS

<i>Peak Temperature</i>	<i>Max. Duration</i>
+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

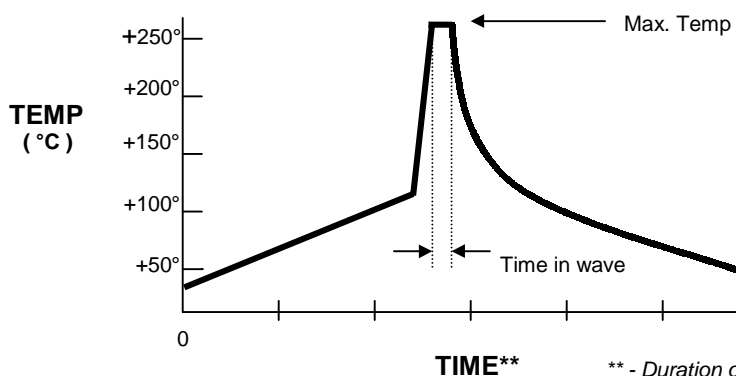


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## RECOMMENDED FLOW-WAVE SOLDERING PROFILE (General SMT Products)



**\*\* - 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
<b>NMC</b>	Ceramic Chip Capacitors	+260°C	10 Seconds
<b>NRC</b>	Thick Film Chip Resistors		
<b>NRSN</b>	and Resistor Arrays		
<b>NIS</b>	0402/0603 Chip Inductors	+260°C	5 Seconds
<b>NTC</b>	Tantalum Chip Capacitors		
<b>NIN</b>	Wirewound Chip Inductors	+250°C	<b>10 Seconds</b>
<b>NCB</b>	<b>Ferrite Chip Beads</b>		
<b>NRD</b>	Silicon and Schottky Barrier		
<b>NSD</b>	Rectifier Diodes	+250°C	5 Seconds
<b>NTHC</b>	NTC Chip Thermistors		
<b>NSFC</b>	Stacked Film Chip	+250°C	5 Seconds
<b>NSPC</b>	Capacitors		



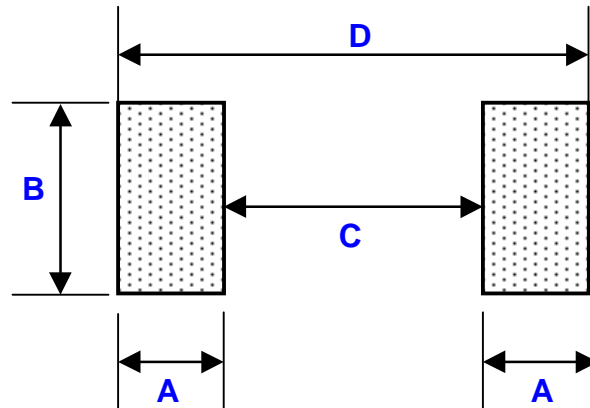
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## RECOMMENDED LAND PATTERNS REFLOW / FLOW SOLDERING

### NCB SERIES – Ferrite Chip Beads



DIMENSIONS: (mm)

DIMENSION	CASE SIZE					
	0603	0805	1206	1210	1806	1812
A	1.0	1.0	1.0	1.0	1.05	1.05
B	0.6	1.2	1.8	2.7	1.8	3.5
C	0.8	1.3	2.0	2.0	3.3	3.3
D	2.8	3.3	4.0	4.0	5.4	5.4

DIMENSION	CASE SIZE		
	1612	3312	3119
A	1.7	1.7	1.7
B	2.0	2.0	2.0
C	2.2	6.6	5.8
D	5.6	10.0	9.2