

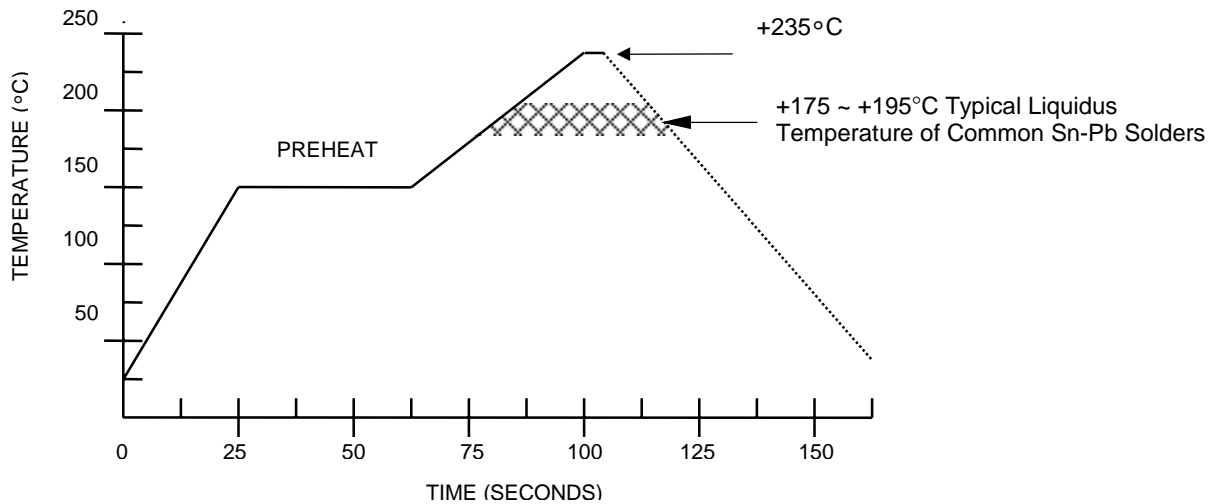


NIC COMPONENTS CORP.

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:

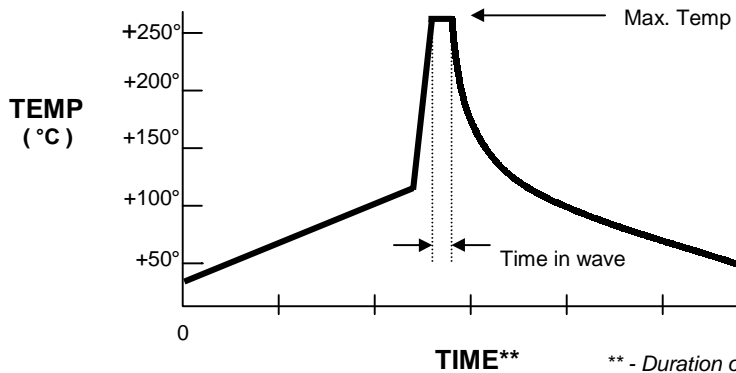
- **NMC** series... Ceramic Chip Capacitors
- **NRC** and **NRSN** series... Thick Film Chip Resistors and Resistor Arrays
- **NTC** series... Tantalum Chip Capacitors
- **NTHC** series... NTC Chip Thermistors
- **NIS** series... 0402/0603 Chip Inductors
- **NCB** series... Ferrite Chip Beads
- **NRD**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



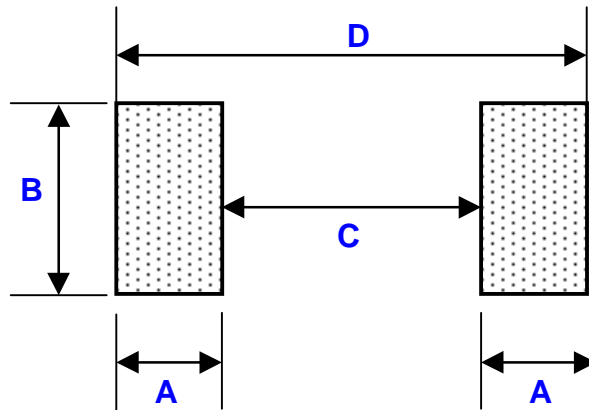
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RECOMMENDED LAND PATTERNS REFLOW SOLDERING

NRD Series - Silicon Rectifier Diode

NSD Series - Schottky Barrier Rectifier Diode



DIMENSIONS: (mm)

CASE SIZE:	SMA
DIMENSION	REFLOW
A	1.2 ~ 1.8
B	1.5 ~ 2.2
C	2.5 ~ 2.7
D	5.0 ~ 5.8