

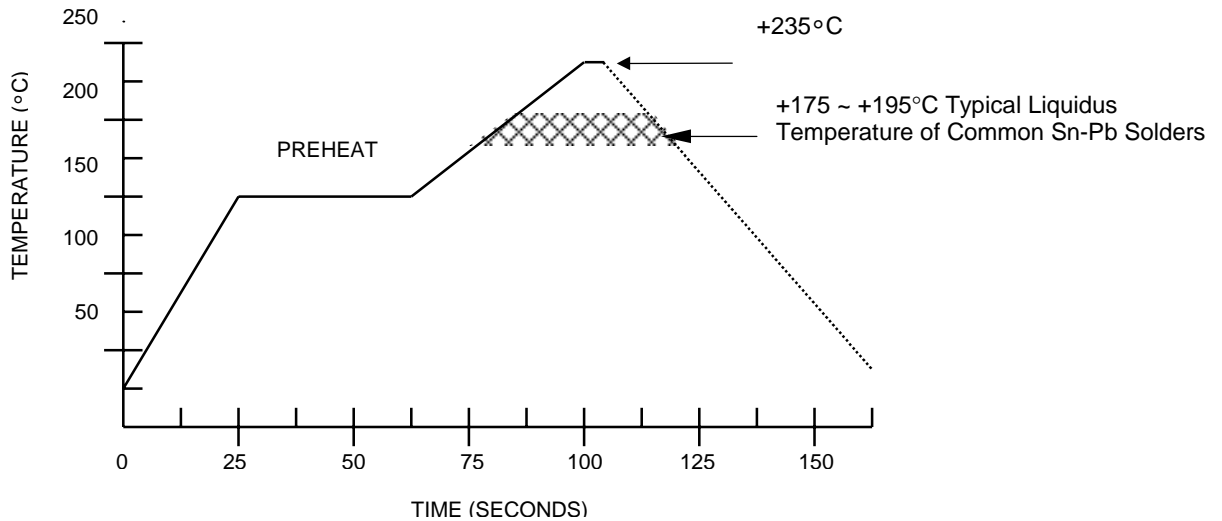


NIC COMPONENTS CORP.

70 Maxess Road • Melville, New York 11747

(516) 936-7500 • Fax (516) 396-7575

RECOMMENDED REFLOW SOLDERING PROFILE



TEMPERATURE LIMITS

<i>Peak Temperature</i>	<i>Max. Duration</i>
+250°C	5 SECONDS
+230°C	10 SECONDS
+220°C	15 SECONDS

The above reflow soldering profile and temperature limits applies to:

NIN series... Wirewound Chip Inductors

NIS series... Spiral Coil Chip Inductors

NPI series... SMT Power Inductors

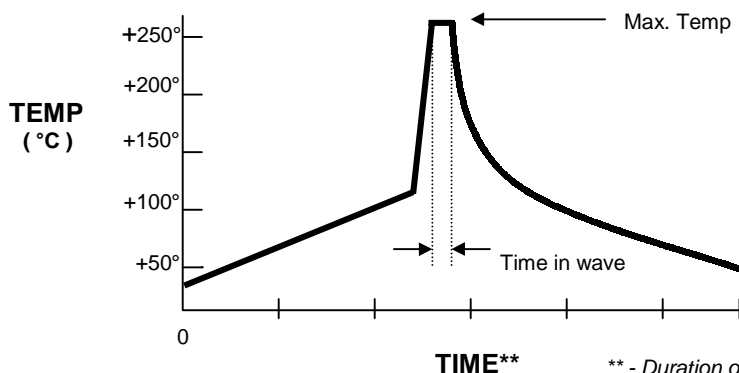


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RECOMMENDED FLOW-WAVE SOLDERING PROFILE (General SMT Products)



** - 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	0603* Chip Inductors	+260°C	5 Seconds
NTC	Tantalum Chip Capacitors		
NIN	Wirewound Chip Inductors	+250°C	10 Seconds
NCB	Ferrite Chip Beads		
NRD	Silicon and Schottky Barrier Rectifier Diodes		
NSD		+250°C	5 Seconds
NTHC	NTC Chip Thermistors		
NSPC	Stacked Film Chip Capacitors		

Notes:

- 1.) * - Flow-Wave soldering 0603 size only
- 2.) NPI series... SMT Power Inductors are not recommended for use with flow-wave soldering.



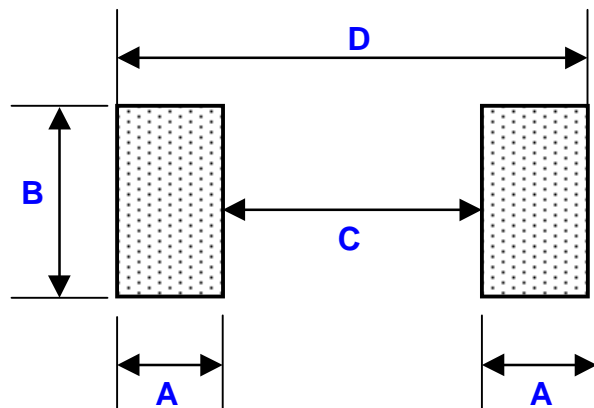
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RECOMMENDED LAND PATTERNS

NIN, NIS, NPI SERIES: SMT CHIP INDUCTORS



NIN SERIES DIMENSIONS: (mm) REFLOW & FLOW SOLDERING

DIMENSION	CASE CODE & SIZE			
	<i>D</i> (SPECIAL ORDER)	<i>C</i>	<i>A</i>	<i>B</i>
	0805	1008	1210	1806
<i>A</i>	0.9~1.3	1.0~1.3	1.0 ~1.4	1.4~1.8
<i>B</i>	0.9~1.3	1.2~1.6	1.9~2.4	2.0~3.0
<i>C</i>	1.0~1.2	1.4~1.5	1.6~2.0	2.4~2.6
<i>D</i>	3.0~3.8	3.5~4.0	4.0~4.6	5.5~6.0

NIS SERIES DIMENSIONS: (mm) REFLOW & FLOW* SOLDERING (* - 0603 SIZE ONLY)

DIMENSION	CASE SIZE	
	0402	0603
<i>A</i>	0.5~0.6	0.6~0.9
<i>B</i>	0.5~0.6	0.7~0.9
<i>C</i>	0.5~0.6	0.8~1.0
<i>D</i>	1.5~1.7	2.0~2.6

NPI SERIES DIMENSIONS: (mm) REFLOW SOLDERING

DIMENSION	CASE CODE
	84
<i>A</i>	2.8 ~ 3.0
<i>B</i>	2.7 ~ 2.9
<i>C</i>	7.3 ~7.5
<i>D</i>	13.1 ~ 13.3