NRSA Series

SMD Power Inductors For Automotive

Size 5020

FEATURES

- vdzl·yƏǘèY нрллLJŎǎ

APPLICATION

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Dimensions: [mm]

Land Pattern: [mm]

5.0±0.2



Electrical Properties:

! рлнлπмwлb	мфл	5оƒ̂			
! рлнлπмwнb	мфн	5оƒ̂			
! рлнлπмwрb	мфр	5оƒ̂			
! рлнлπнwн a	нфн	5нƒ̂			
! рлнлπнwт a	нфт	5нƒ̂			
! рлнлπоwо a	офо	5нƒ̂			
! рлнлπпwт a	пфт	5нƒ̂			
! рлнлπрwс a	рфс	5нƒ̂			
! рлнлπсwу a	сфу	5нƒ̂			
! рлнлπуwн a	уфн	5нƒ̂			
! рлнлπмлл a	мл	5нƒ̂			
! рлнлπмнл a	мн	5нƒ̂			
! рлнлπмрл a	мр	5нƒ̂			
! рлнлπмул a	му	5нƒ̂			
! рлнлπннл a	нн	5нƒ̂			
! рлнлπоол a		5нƒ̂			
! рлнлπптл a	пт	5нƒ̂			

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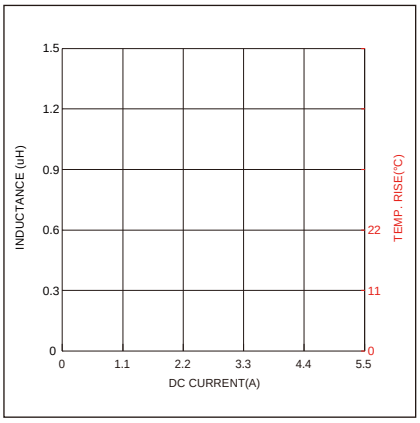
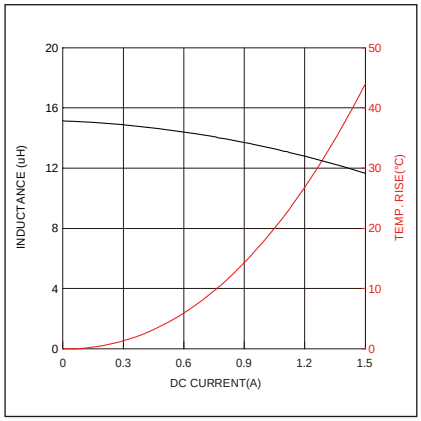
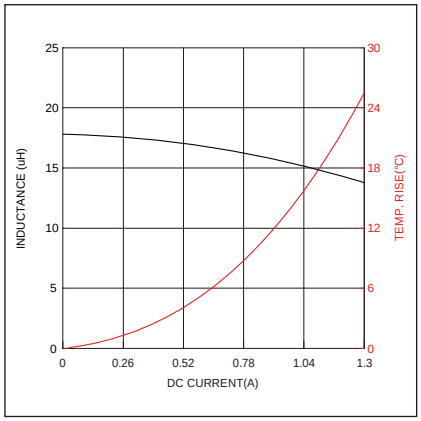
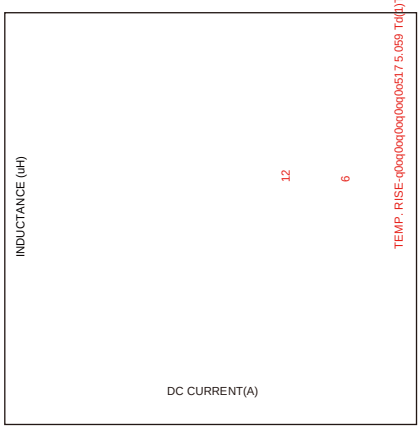
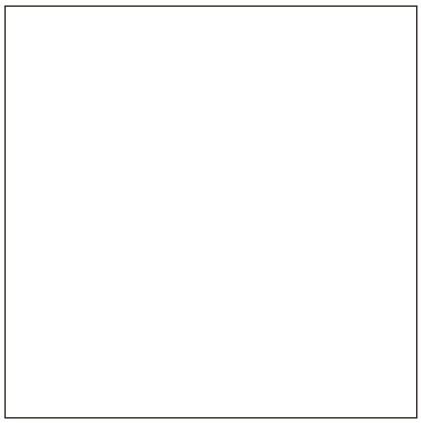
Typical Electrical Characteristics:

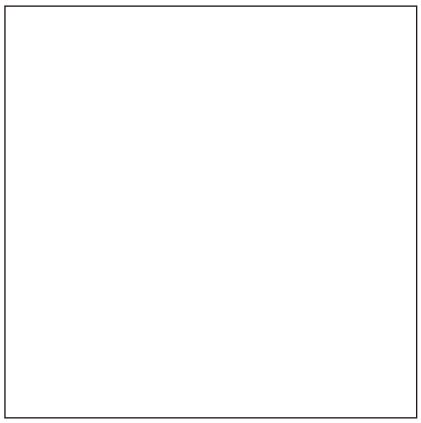



INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)
0
4
8
12
16
20
0
10
20
30
40
50
0
0.3
0.6
0.9
1.2
1.5


INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)
0
5
10
15
20
25
0
6
12
18
24
30
0
0.26
0.52
0.78
1.04
1.3


INDUCTANCE (uH)
DC CURRENT(A)





Soldering Reflow:

Preheat condition: 150 ~200℃/ 60~120 sec.

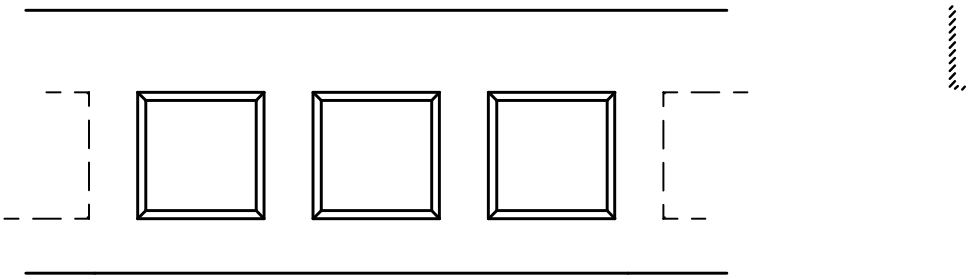
Allowed time above 217℃: 60~90 sec.

Max temperature: 260℃.

Allowed Reflow time: 2x max.

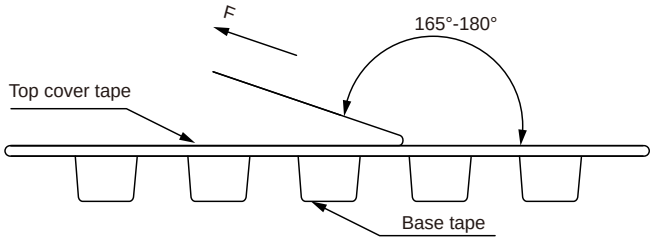
Packaging Information:

Tape Dimension：



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
NRSA5020	5.3 ± 0.1	5.3 ± 0.1	1.5 ± 0.1	4.0 ± 0.1	8.0 ± 0.1	12.0 ± 0.3	2.3 ± 0.1	1.75 ± 0.1	0.35 ± 0.05

Peel force of top cover tape:



The peel force of top cover tape shall be between 0.3 to 1.17 N

Reel Dimension：[mm]

Packaging Quantity: