NRSA Series

SMD Power Inductors For Automotive

Size 5020

FEATURES

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APPLICATION

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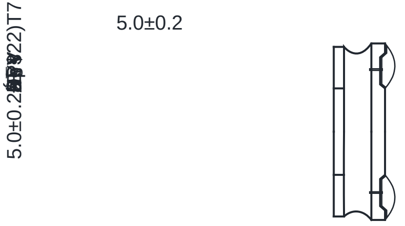
Dimensions: [mm]

Land Pattern: [mm]



Electrical Properties:

!рлнлπмwлb	м͌л	ƽoǳ̫ᷦ			
!рлнлπмwнb	м͌н	ƽoǳ̫ᷦ			
!рлнлπмwрb	м͌р	ƽoǳ̫ᷦ			
!рлнлπнwн a	н͌н	ƽнǳ̫ᷦ			
!рлнлπнwт a	н͌т	ƽнǳ̫ᷦ			
!рлнлπowo a	o͌o	ƽнǳ̫ᷦ			
!рлнлπпwт a	п͌т	ƽнǳ̫ᷦ			
!рлнлπрwc a	р͌c	ƽнǳ̫ᷦ			
!рлнлπcwy a	c͌y	ƽнǳ̫ᷦ			
!рлнлπywн a	y͌н	ƽнǳ̫ᷦ			
!рлнлπмлл a	мл	ƽнǳ̫ᷦ			
!рлнлπмнл a	мн	ƽнǳ̫ᷦ			
!рлнлπмрл a	мр	ƽнǳ̫ᷦ			
!рлнлπмyл a	мy	ƽнǳ̫ᷦ			
!рлнлπннл a	нн	ƽнǳ̫ᷦ			
!рлнлπoол a		ƽнǳ̫ᷦ			
!рлнлπптл a	пт	ƽнǳ̫ᷦ			

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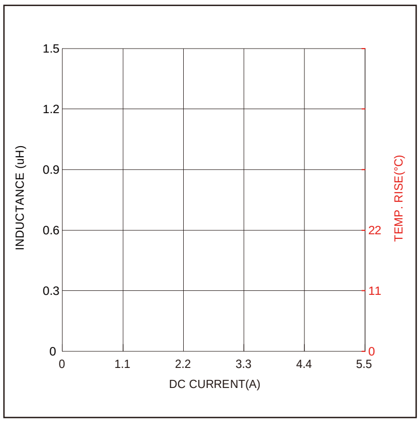
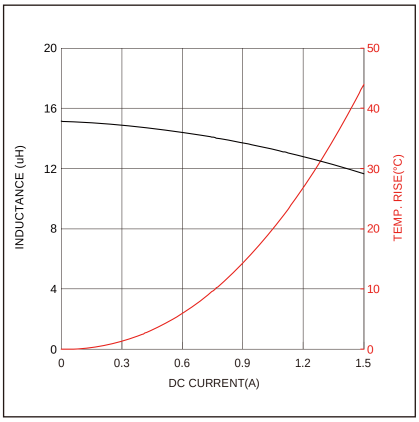
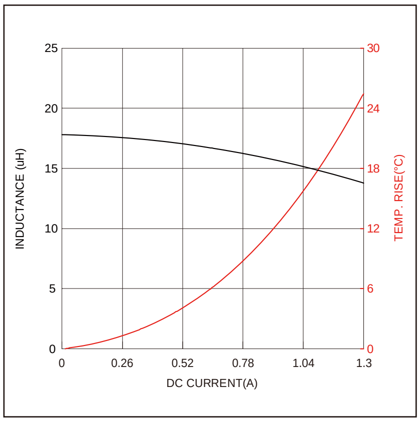
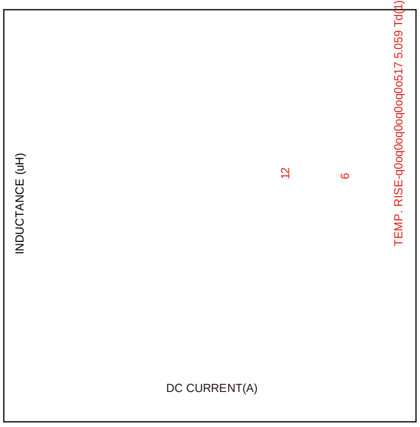
Typical Electrical Characteristics:




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


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


INDUCTANCE (uH)
12
6
TEMP. RISE-q0oq0oq0oq0oq0o517 5.059 Td(1)Tj0.517 0 Td(8)Tj0.517 5.096 Td(2)Tj0.517 0 Td(
DC CURRENT(A)

Soldering Reflow:

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

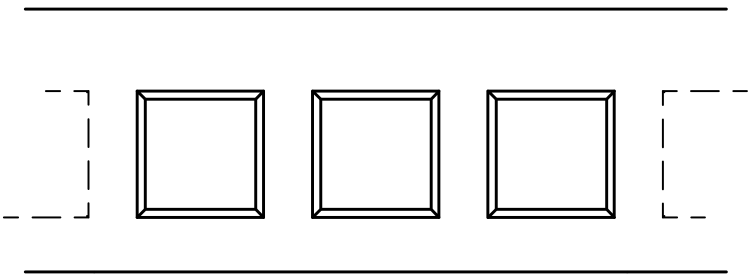
Allowed time above 217℃: 60~90 sec.

Max temperature: 260℃.

Allowed Reflow time: 2x max.

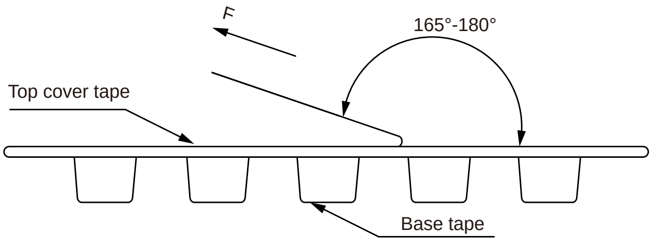
Packaging Information:

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: