NRSA Series

SMD Power Inductors For Automotive

Size 6045

FEATURES

a l·∃yŜəÕ ăKλŜfŘ ûèLJŜ ǿ2dzyŘ λyŘdzŐűƨNJ ŦƨNJ LJƨǿŜNJ ŐλNJŐdzλűă dzăλyƎ l· ŦŜNJNJλűŜ Y l·∃yŜəÕ Y l·ûŜNJλl·f

l λ∃K Y l·∃yŜəÕ ăKλŜfŘ ÕƨyãűńdzŐəƨy l·yŘ Õ2YLJl·əōtŜ ǿλűK Kλ∃KπŘŜyãλúè Y2dzyəy∃φ

[l·NJ∃ŜNJ ŐdzNJNJŜyű l·yŘ f2ǿŜNJ wŘŐ ǿŜNJŜ l·ŐKλŜØŜŘ ōè 2LJəYλÎλy∃ űKŜ ŦŜNJNJλűŜ Õ2NJŜ Ű∃dzNJŜφ

hLJŜNJl·əy∃ űŜYLJŜNJl·údzNJŜY çpp ű2 ьмнрс/óλyŐtdzŘλy∃ ăŜfŦπűŜYπ LJŜNJl·údzNJŜ NJλăŜú

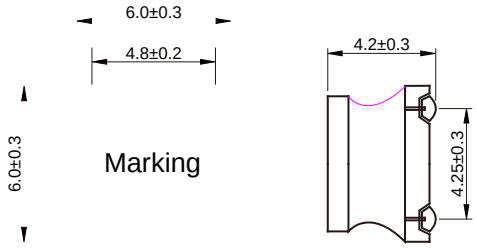
! 9/πvнлл ljdzl·fλŰŜŘ

■◙vdzl·yəúè¥ млллLJŐă

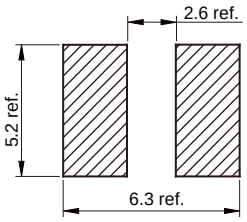
APPLICATION

- / l·NJ yl·Øλ∃l·ə2y£ Ől·NJ ăűŜNJŜ2 l·yŘ Ől·NJ l·ŐŐŜăă2NJλŜă 2yfè

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

	L@100KHz/1V (μH)	Tolerance	I_s (A)	(A)	(A)	(A)	(mΩ)
bw{!слпрπwптb	л◊пт	ƃ0±ĵ;	мт◊лл	мс◊лл	у◊сл	у◊лл	с◊ул
bw{!слпрπwунb	л◊ун	ƃ0±ĵ;	мп◊рл	мо◊рл	у◊нл	т◊рл	у◊рл
bw{!слпрπмwл a	м◊л	ƃнƒĵ;	мо◊рл	мн◊рл	у◊лл	т◊ол	мл◊л
bw{!слпрπмwн a	м◊н	ƃнƒĵ;	мн◊рл	мм◊рл	т◊рл	т◊лл	мл◊р
bw{!слпрπмwo a	м◊о	ƃнƒĵ;	мн◊рл	мм◊рл	т◊рл	т◊лл	мл◊р
bw{!слпрπмwр a	м◊р	ƃнƒĵ;	мн◊лл	мм◊лл	т◊лл	с◊сл	мм◊т
bw{!слпрπмwу a	м◊у	ƃнƒĵ;	мм◊лл	мл◊лл	с◊ул	с◊нл	мн◊л
bw{!слпрπнwл a	н◊л	ƃнƒĵ;	мл◊рл	ф◊рл	с◊рл	р◊ул	мо◊р
bw{!слпрπнwн a	н◊н	ƃнƒĵ;	ф◊рл	у◊рр	с◊лл	р◊ол	мр◊л
bw{!слпрπнwo a	н◊о	ƃнƒĵ;	ф◊ол	у◊нл	р◊ул	р◊лл	мс◊л
bw{!слпрπowл a	о◊л	ƃнƒĵ;	у◊лл	т◊рл	р◊нл	п◊сл	нл◊л
bw{!слпрπowo a	о◊о	ƃнƒĵ;	т◊ул	т◊ол	р◊лл	п◊рл	нм◊л
bw{!слпрπowс a	о◊с	ƃнƒĵ;	т◊пл	с◊фл	п◊фл	п◊ол	нн◊р
bw{!слпрπпwт a	п◊т	ƃнƒĵ;	с◊ул	с◊нл	п◊рл	п◊лл	нс◊л
bw{!слпрπрwс a	р◊с	ƃнƒĵ;	с◊пл	р◊тл	п◊мл	о◊тл	ом◊л
bw{!слпрπсwo a	с◊о	ƃнƒĵ;	р◊фл	р◊ол	о◊ул	о◊рл	оо◊л
bw{!слпрπсwу a	с◊у	ƃнƒĵ;	р◊тл	р◊мр	о◊сл	о◊ол	оп◊л

KOHER Electronics
F9, No. 4188, Huaning Rd, Minhang District, Shanghai
021-34753361 Contact@kohergroup.com

Part No							

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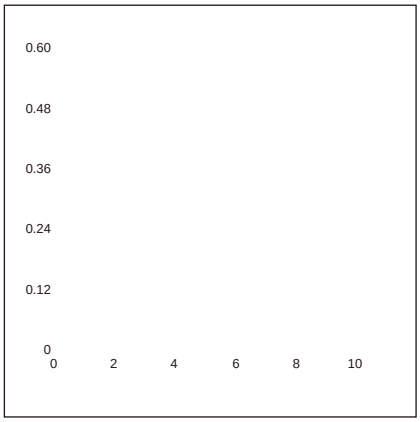
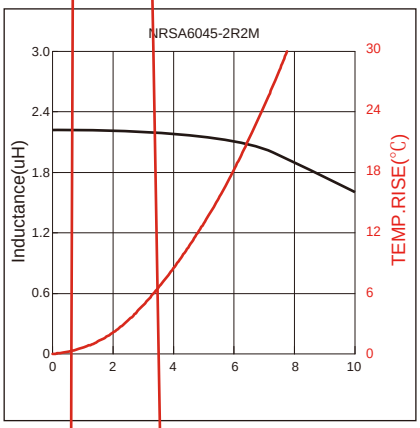
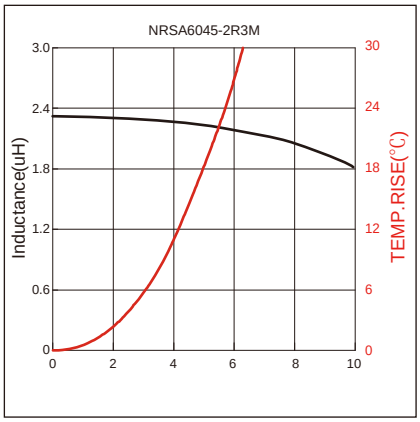
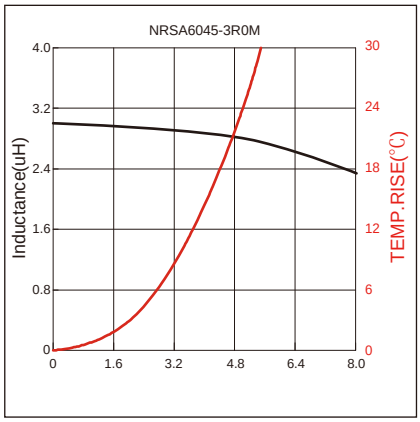
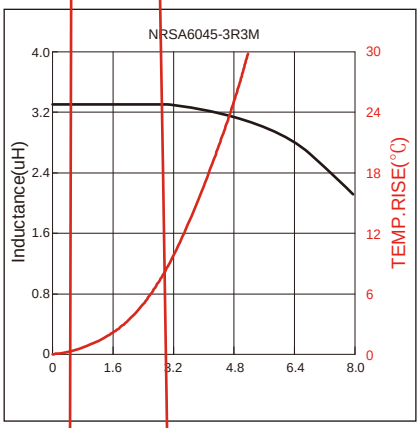
Typical Electrical Characteristics:

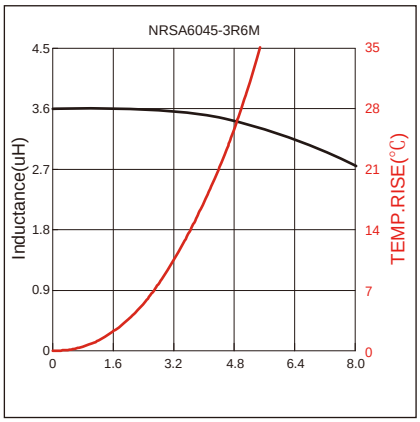


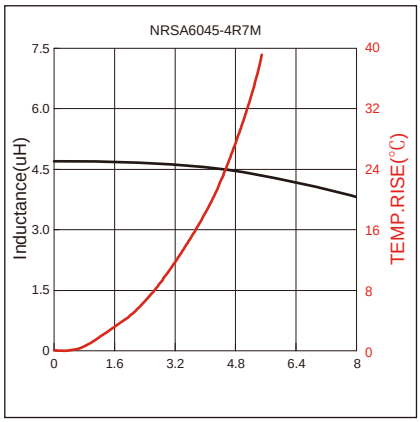

NRSA6045-2R2M
Inductance(uH)
TEMP.RISE(℃)
3.0
2.4
1.8
1.2
0.6
0
30
24
18
12
6
0
0
2
4
6
8
10

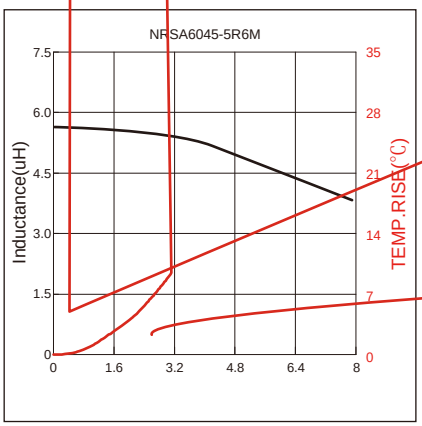

NRSA6045-2R3M
Inductance(uH)
TEMP.RISE(℃)
3.0
2.4
1.8
1.2
0.6
0
30
24
18
12
6
0
0
2
4
6
8
10

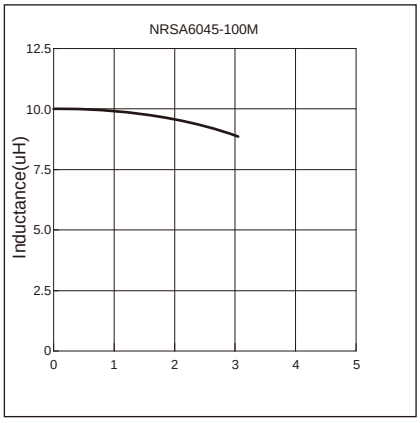

NRSA6045-3R0M
Inductance(uH)
TEMP.RISE(℃)
4.0
3.2
2.4
1.6
0.8
0
30
24
18
12
6
0
0
1.6
3.2
4.8
6.4
8.0

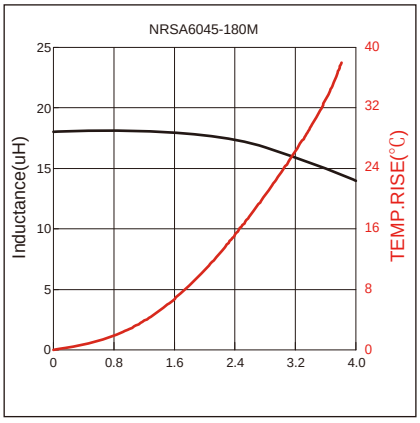

NRSA6045-3R3M
Inductance(uH)
TEMP.RISE(℃)
4.0
3.2
2.4
1.6
0.8
0
30
24
18
12
6
0
0
1.6
3.2
4.8
6.4
8.0

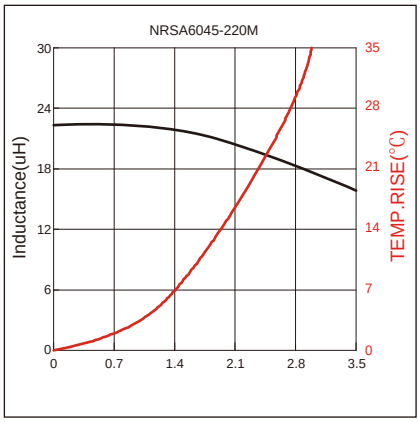

NRSA6045-3R6M
Inductance(uH)
TEMP.RISE(℃)
4.5
3.6
2.7
1.8
0.9
0
35
28
21
14
7
0
0
1.6
3.2
4.8
6.4
8.0

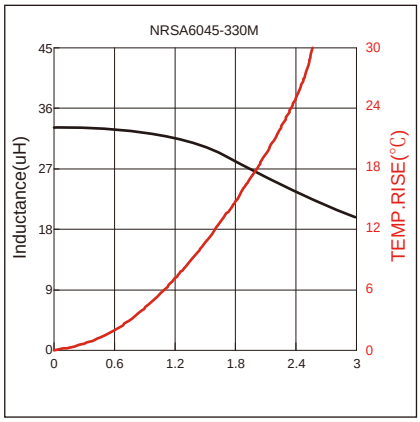

NRSA6045-4R7M
Inductance(uH)
TEMP.RISE(℃)
7.5
6.0
4.5
3.0
1.5
0
40
32
24
16
8
0
0
1.6
3.2
4.8
6.4
8

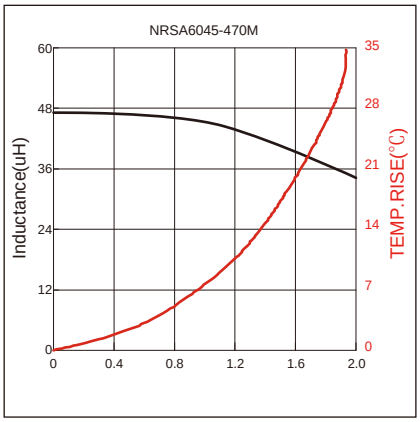

NRSA6045-5R6M
Inductance(uH)
TEMP.RISE(℃)
7.5
6.0
4.5
3.0
1.5
0
35
28
21
14
7
0
0
1.6
3.2
4.8
6.4
8

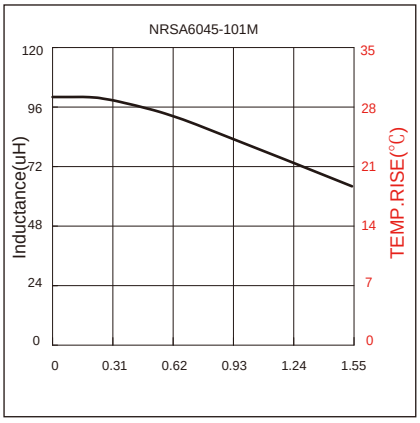

NRSA6045-100M
Inductance(uH)
12.5
10.0
7.5
5.0
2.5
0
0
1
2
3
4
5

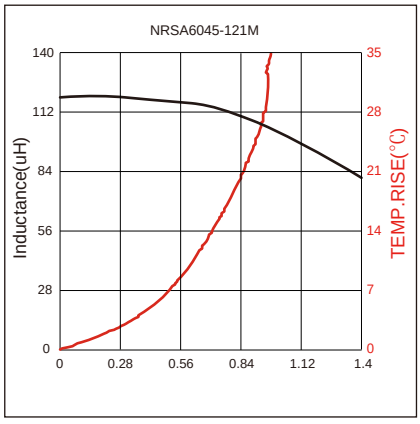

NRSA6045-180M
Inductance(uH)
TEMP.RISE(℃)
25
20
15
10
5
0
40
32
24
16
8
0
0
0.8
1.6
2.4
3.2
4.0


NRSA6045-220M
Inductance(uH)
TEMP.RISE(℃)
30
24
18
12
6
0
35
28
21
14
7
0
0
0.7
1.4
2.1
2.8
3.5


NRSA6045-330M
Inductance(uH)
TEMP.RISE(℃)
45
36
27
18
9
0
30
24
18
12
6
0
0
0.6
1.2
1.8
2.4
3


NRSA6045-470M
Inductance(uH)
TEMP.RISE(℃)
60
48
36
24
12
0
35
28
21
14
7
0
0
0.4
0.8
1.2
1.6
2.0


NRSA6045-101M
Inductance(uH)
TEMP.RISE(℃)
120
96
72
48
24
0
35
28
21
14
7
0
0
0.31
0.62
0.93
1.24
1.55


NRSA6045-121M
Inductance(uH)
TEMP.RISE(℃)
140
112
84
56
28
0
35
28
21
14
7
0
0
0.28
0.56
0.84
1.12
1.4

Soldering Reflow:

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

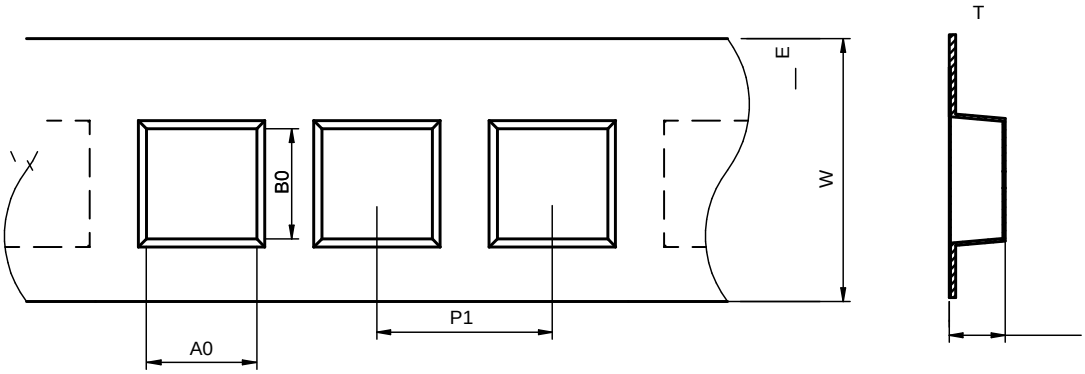
Allowed time above 217℃: 60~90 sec.

Max temperature: 260℃.

Allowed Reflow time: 2x max.

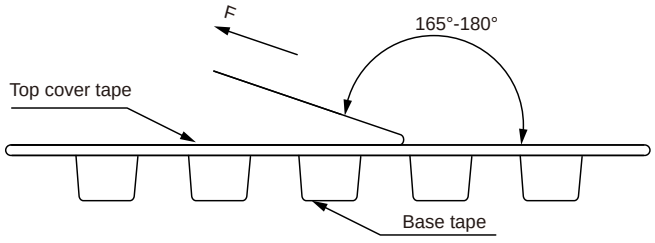
Packaging Information:

Tape Dimension：



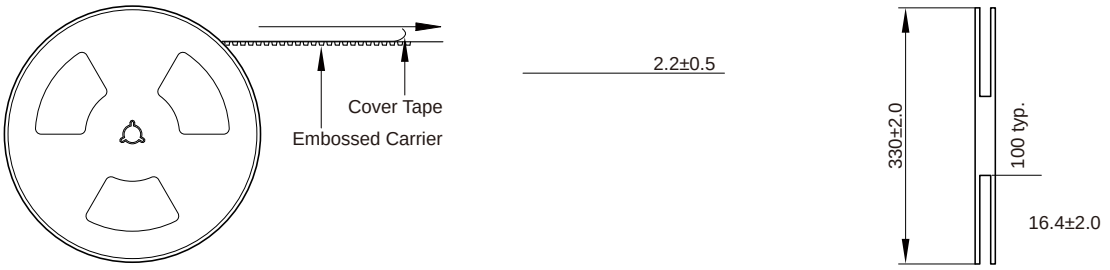
A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
6.4±0.1	6.4±0.1	1.5±0.1	4.0±0.1	12.0±0.1	16.0±0.3	4.7±0.1	1.75±0.1	0.40±0.05

Peel force of top cover tape:

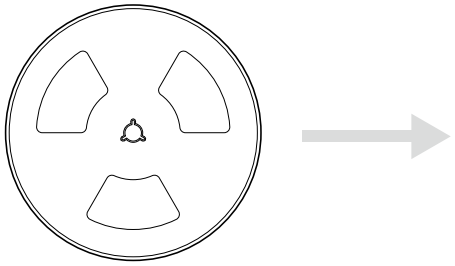


The peel force of top cover tape shall be between 0.3 to 1.17 N

Reel Dimension：[mm]



Packaging Quantity:



1000 Pcs/Reel　　2 Reel /Inner box(2K Pcs)　　3 Inner box/Carton box(6K Pcs)

Cautions and Warnings:

Storage Conditions：

- The storage period is within 12 months after the completion of production. Be sure to follow the storage conditions (temperature: -5 to 35°C, humidity: 75% RH Max).If the storage period elapses, the soldering of the tionde0.A1s2aTd9[(tenPstionsshuldbemesdenSh1tfoeofdmonfi83B)Tj38.5mpKmeusp3in1prnd sk2 mo
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-
-

Operation Instructions:

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