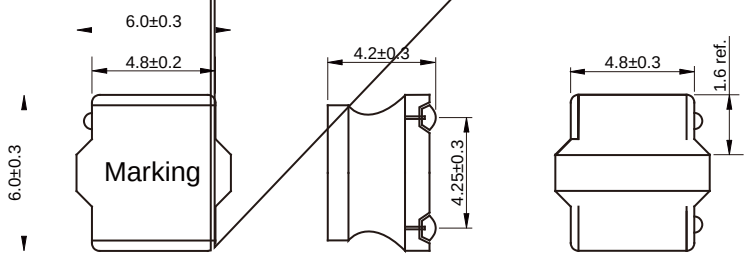
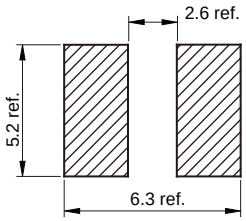
SMD Power Inductors For Automotive
Size 6045

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

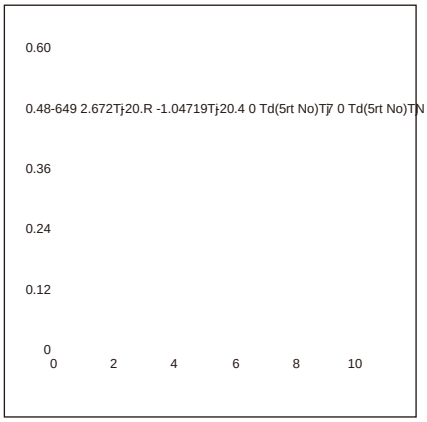
											I_{SI}

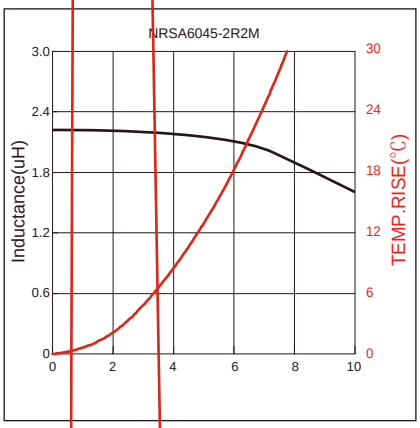
Part No							

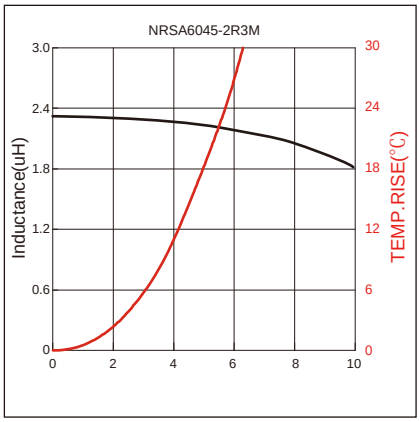
$I_{\{AT}$

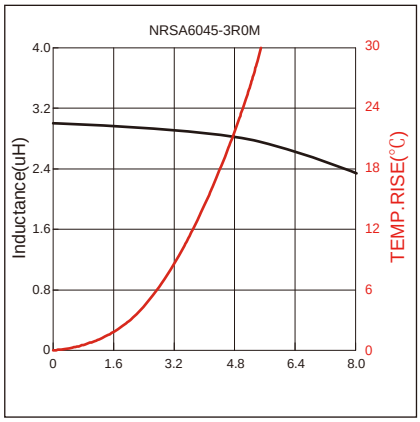
I_{w}

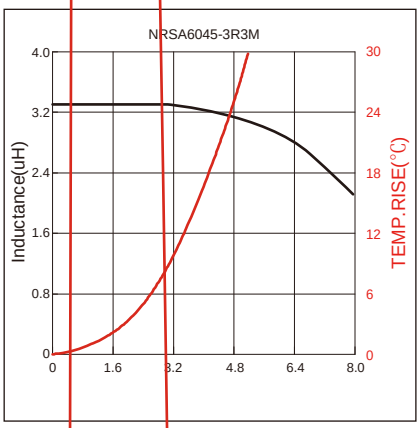
Typical Electrical Characteristics:

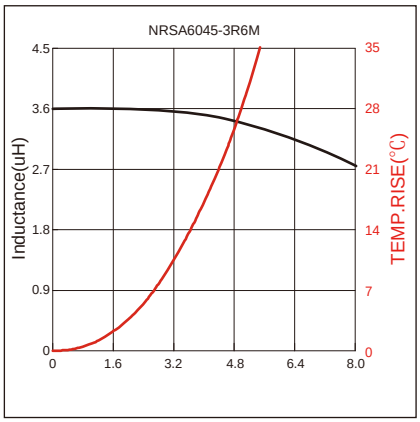


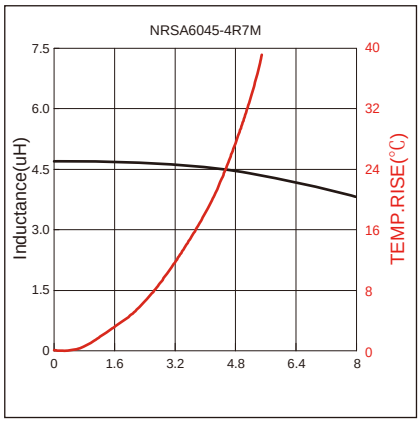

NRSA6045-2R2M
Inductance(uH)
TEMP.RISE(℃)
3.0
2.4
1.8
1.2
0.6
0
30
24
18
12
6
0
0
2
4
6
8
10

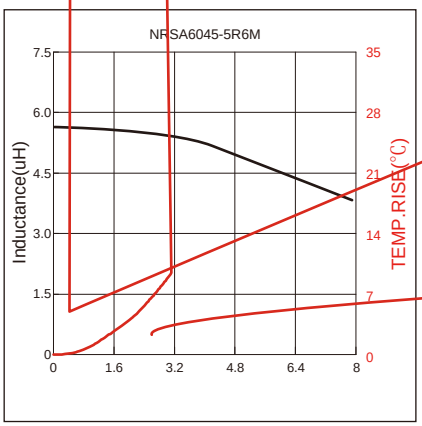

NRSA6045-2R3M
Inductance(uH)
TEMP.RISE(℃)
3.0
2.4
1.8
1.2
0.6
0
30
24
18
12
6
0
0
2
4
6
8
10

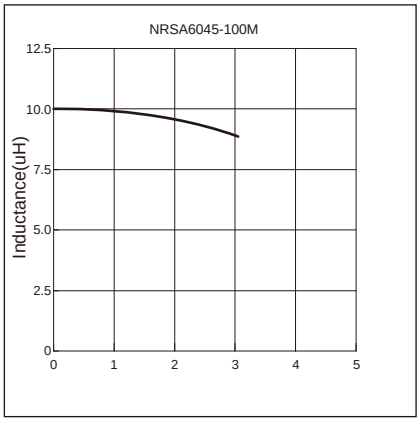

NRSA6045-3R0M
Inductance(uH)
TEMP.RISE(℃)
4.0
3.2
2.4
1.6
0.8
0
30
24
18
12
6
0
0
1.6
3.2
4.8
6.4
8.0

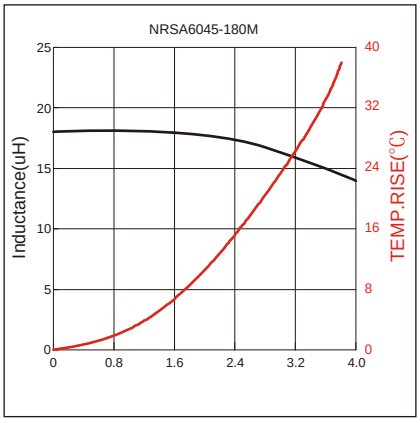

NRSA6045-3R3M
Inductance(uH)
TEMP.RISE(℃)
4.0
3.2
2.4
1.6
0.8
0
30
24
18
12
6
0
0
1.6
3.2
4.8
6.4
8.0

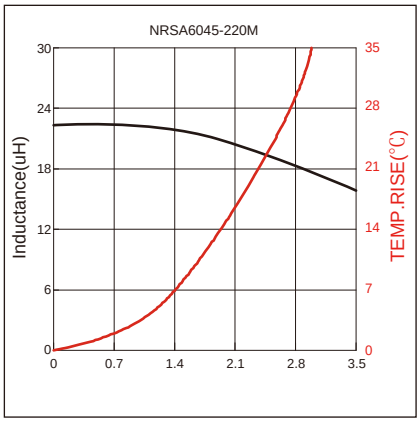

NRSA6045-3R6M
Inductance(uH)
TEMP.RISE(℃)
4.5
3.6
2.7
1.8
0.9
0
35
28
21
14
7
0
0
1.6
3.2
4.8
6.4
8.0

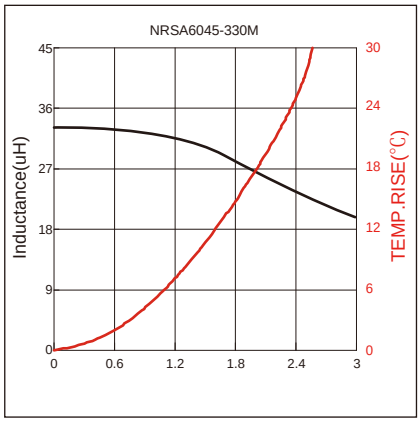

NRSA6045-4R7M
Inductance(uH)
TEMP.RISE(℃)
7.5
6.0
4.5
3.0
1.5
0
40
32
24
16
8
0
0
1.6
3.2
4.8
6.4
8

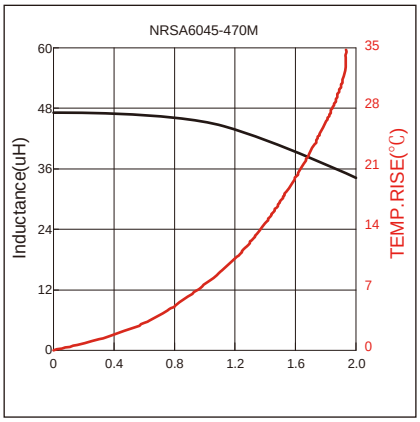

NRSA6045-5R6M
Inductance(uH)
TEMP.RISE(℃)
7.5
6.0
4.5
3.0
1.5
0
35
28
21
14
7
0
0
1.6
3.2
4.8
6.4
8

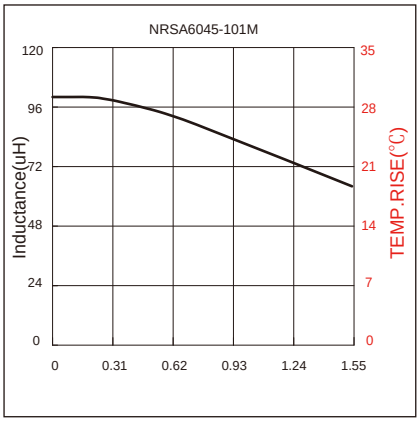

NRSA6045-100M
Inductance(uH)
12.5
10.0
7.5
5.0
2.5
0
0
1
2
3
4
5

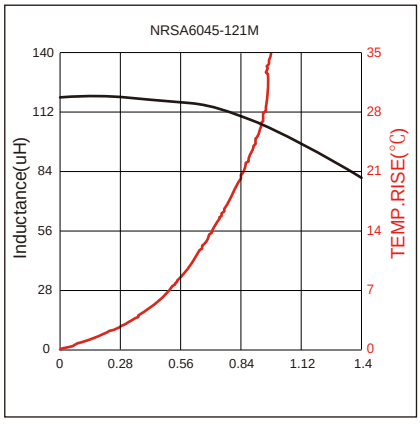

NRSA6045-180M
Inductance(uH)
TEMP.RISE(℃)
25
20
15
10
5
0
40
32
24
16
8
0
0
0.8
1.6
2.4
3.2
4.0

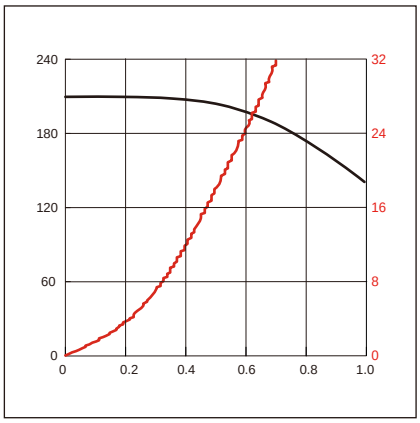

NRSA6045-220M
Inductance(uH)
TEMP.RISE(℃)
30
24
18
12
6
0
35
28
21
14
7
0
0
0.7
1.4
2.1
2.8
3.5

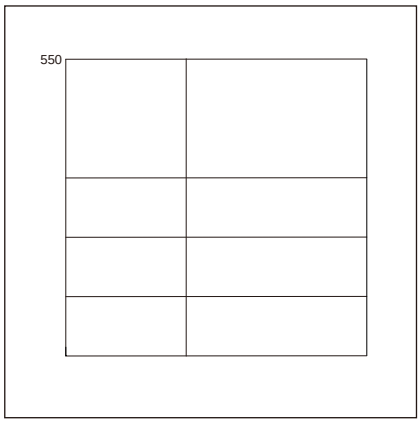

NRSA6045-330M
Inductance(uH)
TEMP.RISE(℃)
45
36
27
18
9
0
30
24
18
12
6
0
0
0.6
1.2
1.8
2.4
3


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


240
180
120
60
0
32
24
16
8
0
0
0.2
0.4
0.6
0.8
1.0


550

Soldering Reflow:

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

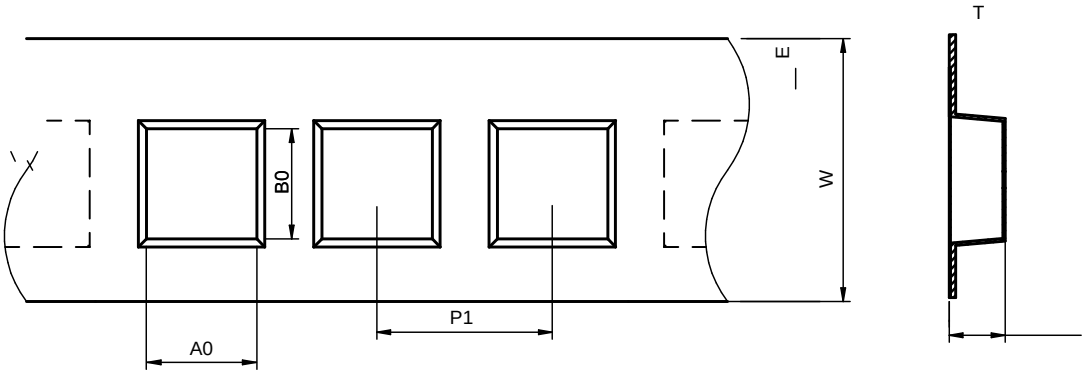
Allowed time above 217℃: 60~90 sec.

Max temperature: 260℃.

Allowed Reflow time: 2x max.

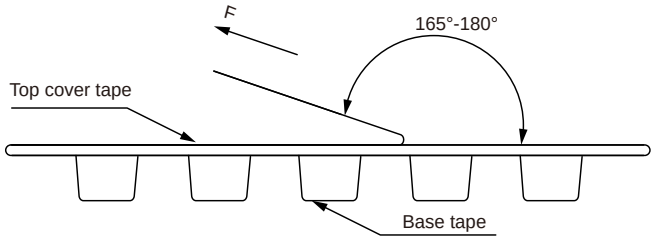
Packaging Information:

Tape Dimension：



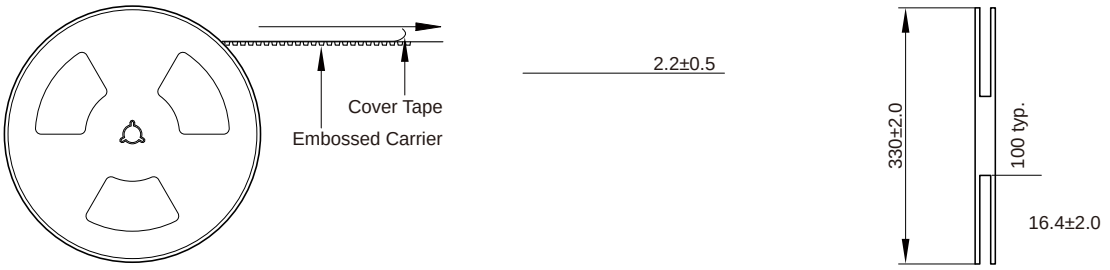
A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
6.4±0.1	6.4±0.1	1.5±0.1	4.0±0.1	12.0±0.1	16.0±0.3	4.7±0.1	1.75±0.1	0.40±0.05

Peel force of top cover tape:

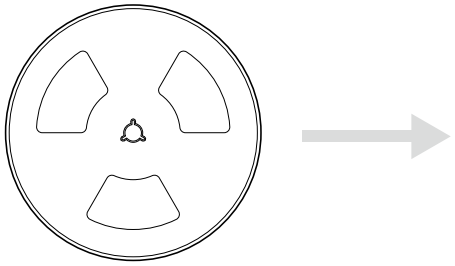


The peel force of top cover tape shall be between 0.3 to 1.17 N

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
-
-
-

Operation Instructions:

-
-
-
-