MDCA Series

SMD Power Inductor

Size 7050

FEATURES

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APPLICATION

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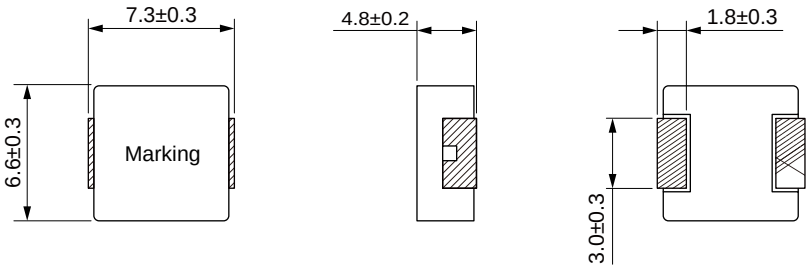
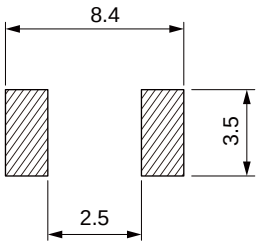
Dimensions: [mm]



Land Pattern: [mm]

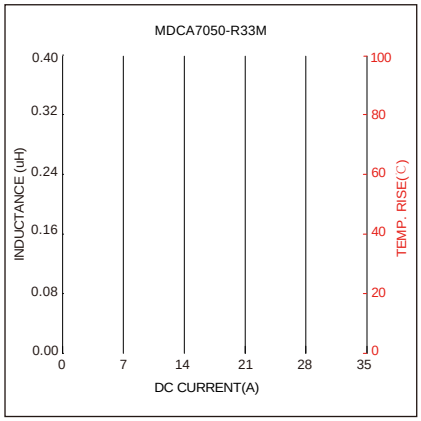


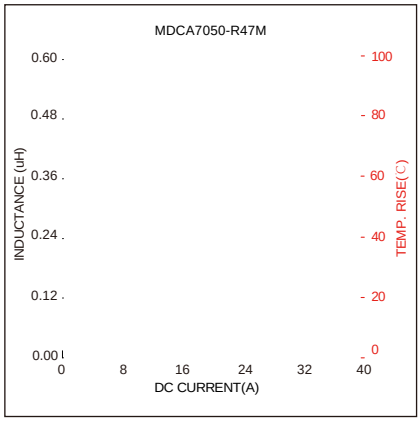
Electrical Properties:

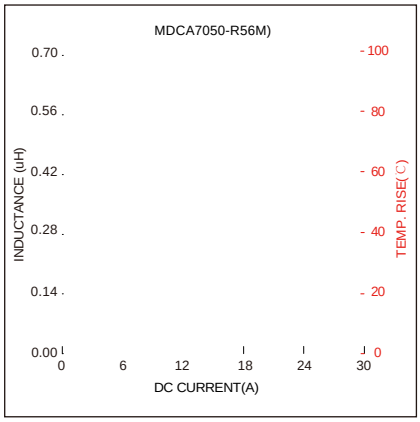
Part No	Inductance @ 100KHz/1V (μH)	Tolerance	Temperature Rise Current Typ. (A)	Saturation Current Typ. (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)

KOHER Electronic
4546 BATES DRIVE, YORBLINDA CA 92886 USA
714-325-4789 Contact@kohergroup.com

Part No	Inductance @ 100KHz/1V (μH)	Tolerance			DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)







0 6 12 18 24 30

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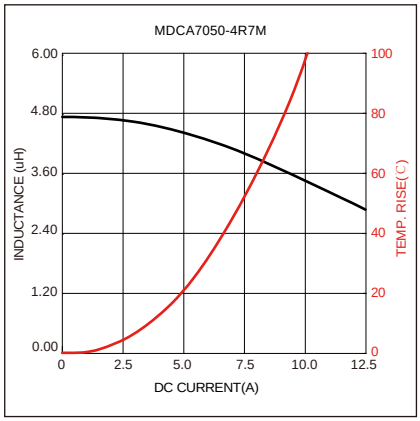
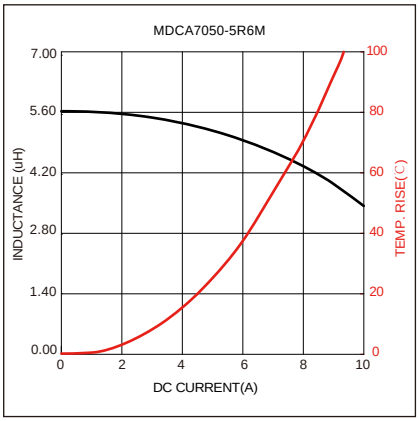
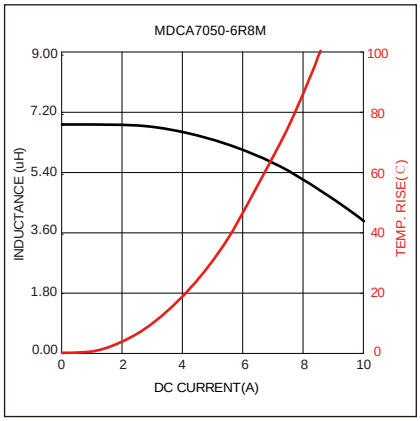
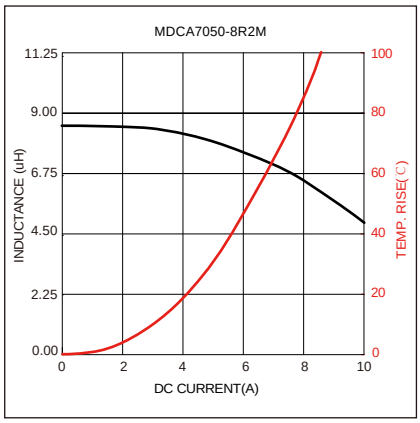
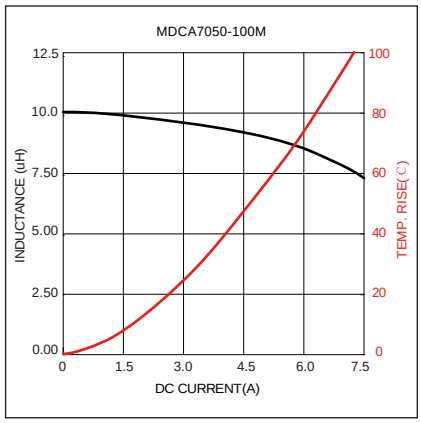
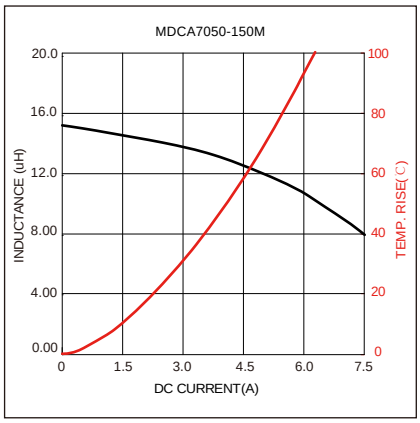

MDCA7050-4R7M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
6.00
4.80
3.60
2.40
1.20
0.00
100
80
60
40
20
0
0
2.5
5.0
7.5
10.0
12.5

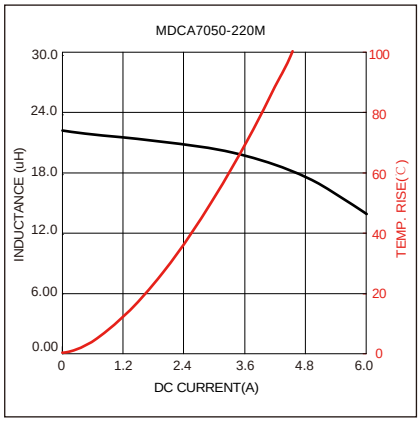

MDCA7050-5R6M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
7.00
5.60
4.20
2.80
1.40
0.00
100
80
60
40
20
0
0
2
4
6
8
10

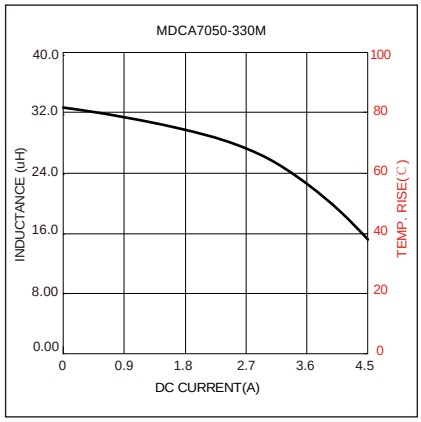

MDCA7050-6R8M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
9.00
7.20
5.40
3.60
1.80
0.00
100
80
60
40
20
0
0
2
4
6
8
10


MDCA7050-8R2M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
11.25
9.00
6.75
4.50
2.25
0.00
100
80
60
40
20
0
0
2
4
6
8
10


MDCA7050-100M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
12.5
10.0
7.50
5.00
2.50
0.00
100
80
60
40
20
0
0
1.5
3.0
4.5
6.0
7.5


MDCA7050-150M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
20.0
16.0
12.0
8.00
4.00
0.00
100
80
60
40
20
0
0
1.5
3.0
4.5
6.0
7.5


MDCA7050-220M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
30.0
24.0
18.0
12.0
6.00
0.00
100
80
60
40
20
0
0
1.2
2.4
3.6
4.8
6.0


MDCA7050-330M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
40.0
32.0
24.0
16.0
8.00
0.00
100
80
60
40
20
0
0
0.9
1.8
2.7
3.6
4.5