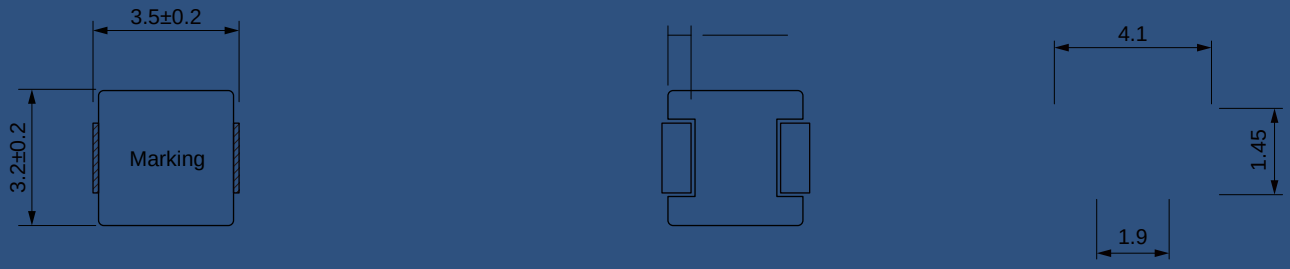


APPLICATION

- ,
- 5/к5/ Ŏ2yØŜ₩ŭŜ₩



Part No	Inductance @ 100KHz/1V (µH)	Tolerance	Temperature Rise Current Typ. (A)	Satura on Current Typ. (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)
			c℗p			
				у℗p	му℗p	
			р℗л		нр℗л	
а5/!олмнпwрса	л℗рс		п℗р			
			о℗р	р℗у		
				р℗р	рл℗л	
а5/!олмнпмwра	м℗рл					ур℗л
						ммр
а5/!олмнпрwса	р℗сл		м℗р			

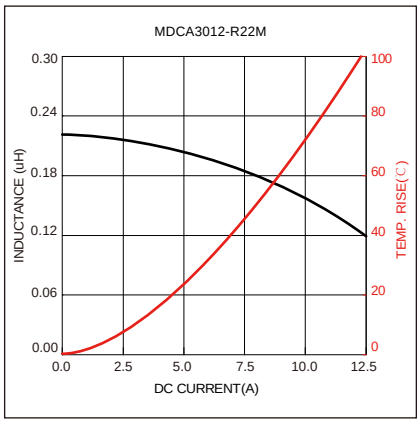
KOHicPeProperties:5 0 -T0(6661.026)17p10(eO)ns:[nm][C]753.38615 4eW842 490.5107)1 37LandPattern:[nm][C]) scn94 0.082 scn1o scn

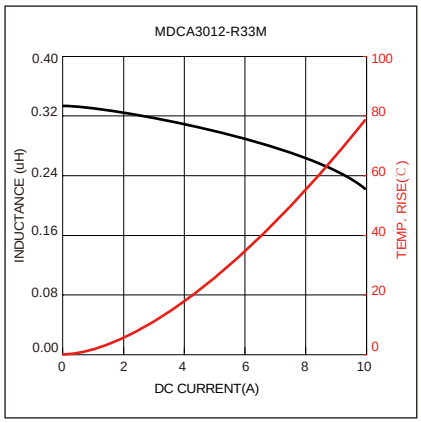
sQ[illegible]IP[illegible]E

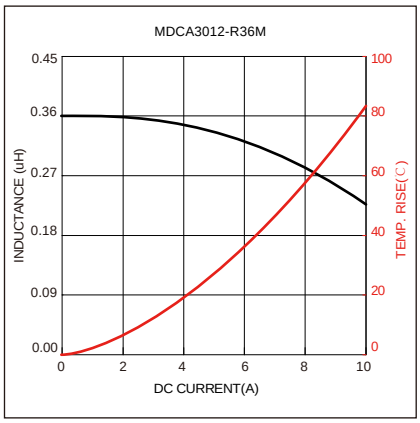
Part No	Inductance @ 100KHz/1V (μH)	Tolerance	Temperature Rise Current Typ. (A)	Satura on Current Typ. (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)
						ppл

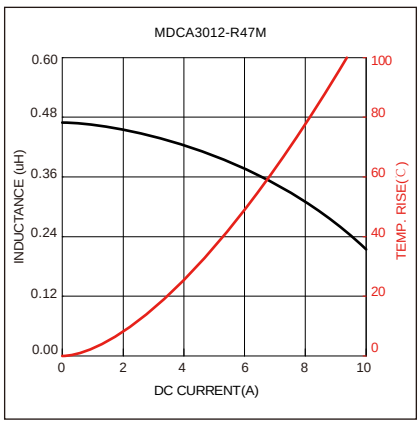
Saturation Current will cause L to drop approximately 30%
Temperature Rise Current: The actual value of DC current when the temperature rise is △T=40°C

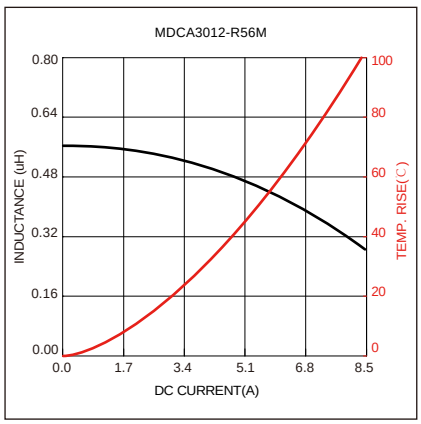
Typical Electrical Characteristics:

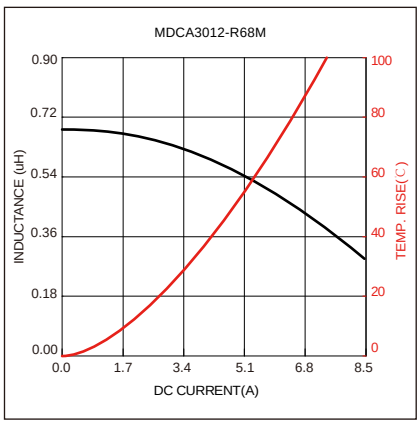


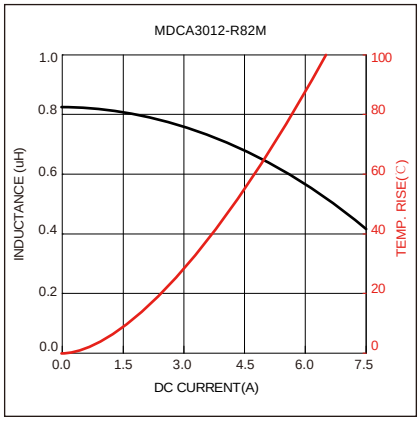


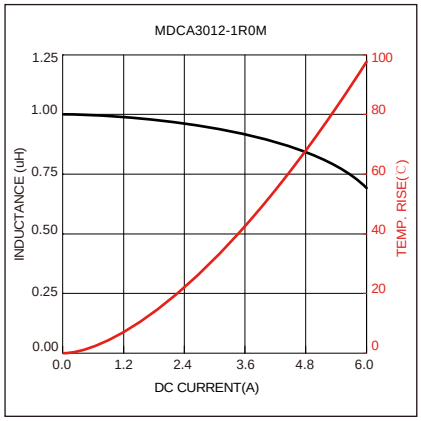


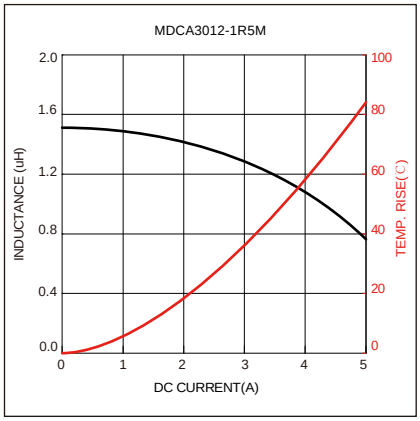


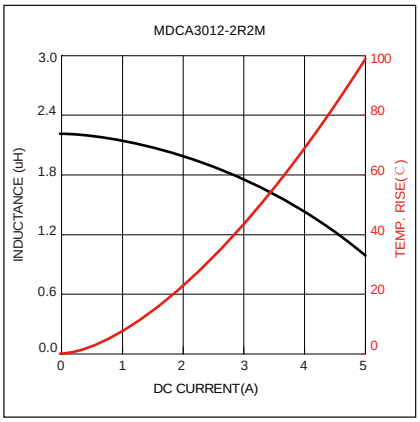


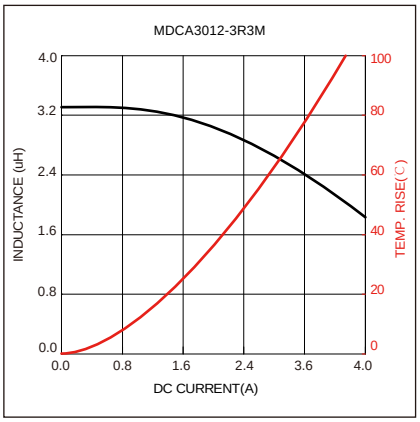


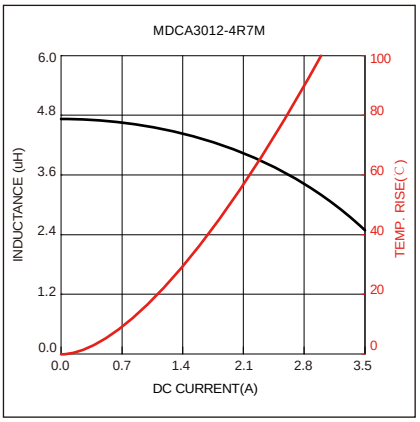


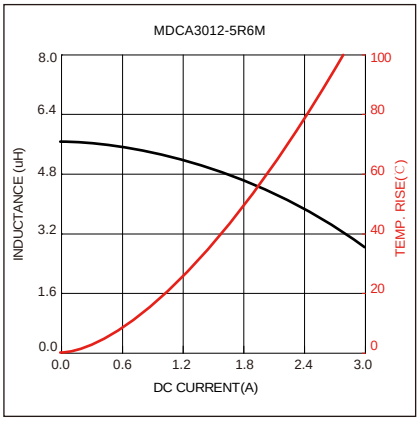


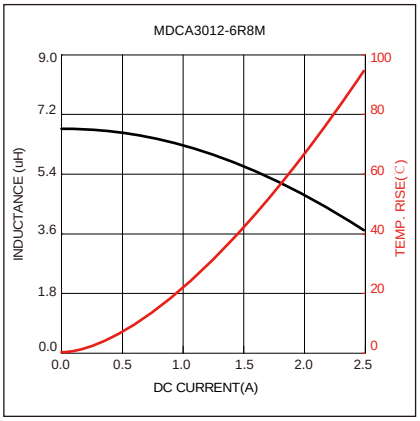


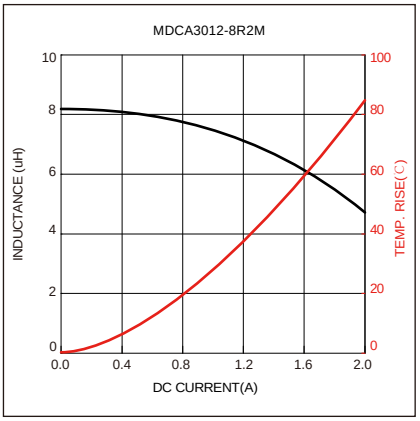

MDCA3012-2R2M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
3.0
2.4
1.8
1.2
0.6
0.0
100
80
60
40
20
0
0
1
2
3
4
5

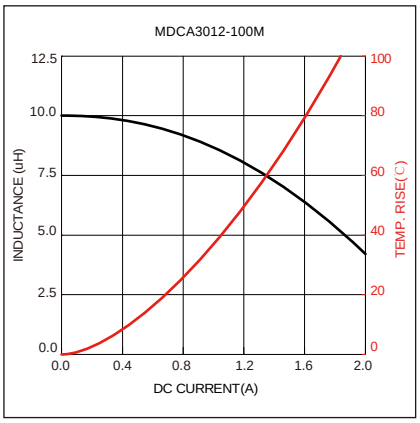

MDCA3012-3R3M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
4.0
3.2
2.4
1.6
0.8
0.0
100
80
60
40
20
0
0.0
0.8
1.6
2.4
3.6
4.0


MDCA3012-4R7M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
6.0
4.8
3.6
2.4
1.2
0.0
100
80
60
40
20
0
0.0
0.7
1.4
2.1
2.8
3.5


MDCA3012-5R6M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
8.0
6.4
4.8
3.2
1.6
0.0
100
80
60
40
20
0
0.0
0.6
1.2
1.8
2.4
3.0


MDCA3012-6R8M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
9.0
7.2
5.4
3.6
1.8
0.0
100
80
60
40
20
0
0.0
0.5
1.0
1.5
2.0
2.5


MDCA3012-8R2M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
10
8
6
4
2
0
100
80
60
40
20
0
0.0
0.4
0.8
1.2
1.6
2.0


MDCA3012-100M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
12.5
10.0
7.5
5.0
2.5
0.0
100
80
60
40
20
0
0.0
0.4
0.8
1.2
1.6
2.0