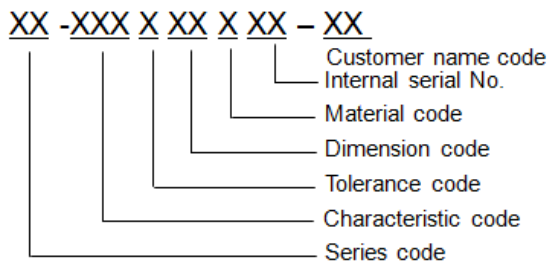
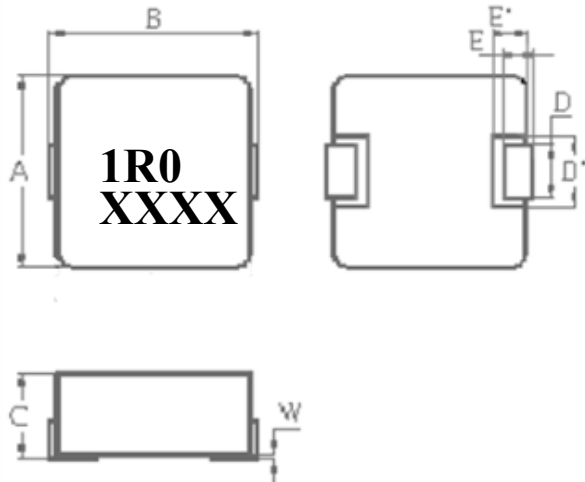


SMD Alloy Molding Power Inductor EM-74V Series (0610)

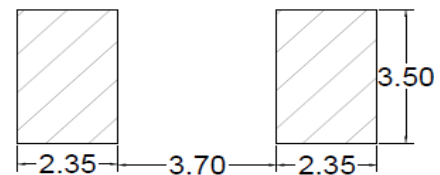
1. CONFIGURATIONS & DIMENSIONS



TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%

Code	Dimensions(mm)
A:	6.6 ± 0.3
B:	7.2 ± 0.3
C:	1.1MAX
E:	1.6 ± 0.5
E' :	2.0 ± 0.1
D :	3.0 ± 0.3
D' :	3.6 ± 0.2
W:	0.15 ± 0



SUGGEST PCB PATTERN

2. SPECIFICATIONS

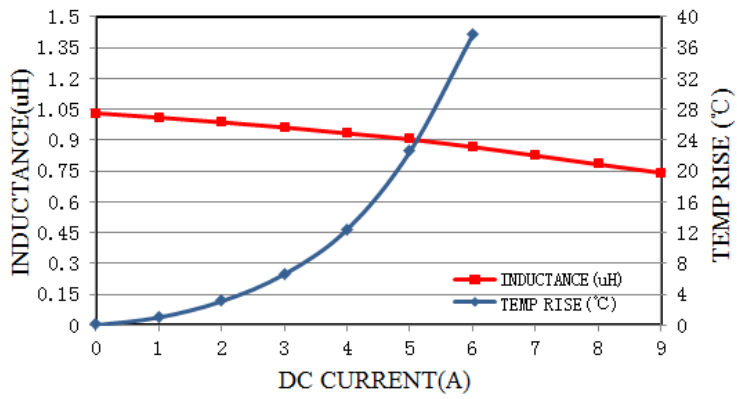
Part Number	Inductance L0(uH) ± 20% @0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-10AM74V01	1.00	6	9	36max

Note:

1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: ΔT 40°C approximately at Irms.
4. Saturation Rated Current: Inductance drop approximately 30% at Isat.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C ~ +125°C.
8. Special inquiries besides the above common used types can be met on your requirement.

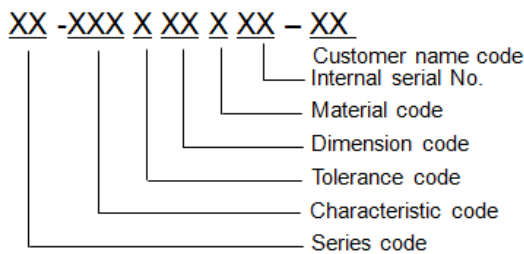
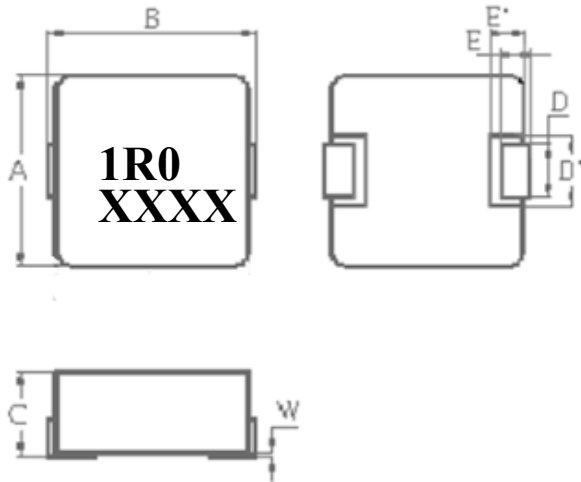
3. DC Bias Characteristics (Typical)

EM-10AM74V01



SMD Alloy Molding Power Inductor 0612/EM-33V Series (0620)

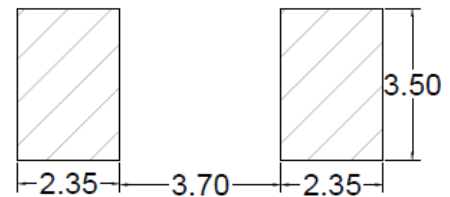
1. CONFIGURATIONS & DIMENSIONS



TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%

Code	Dimensions(mm)
A:	6.6 ± 0.3
B:	7.2 ± 0.3
C:	1.0 ± 0.2
E:	1.6 ± 0.5
E':	2.0 ± 0.1
D :	3.0 ± 0.3
D' :	3.6 ± 0.2
W:	0.15 ± 0



SUGGEST PCB PATTERN

2. SPECIFICATIONS

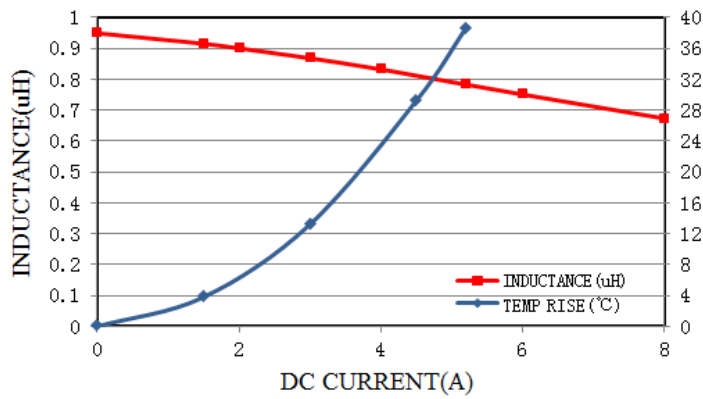
Part Number	Inductance L0(uH) ± 20% @0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-10AM33V02	1.00	5.2	8	34max
EM-22AM33V01	2.20	3	5	73 ± 10%

Note:

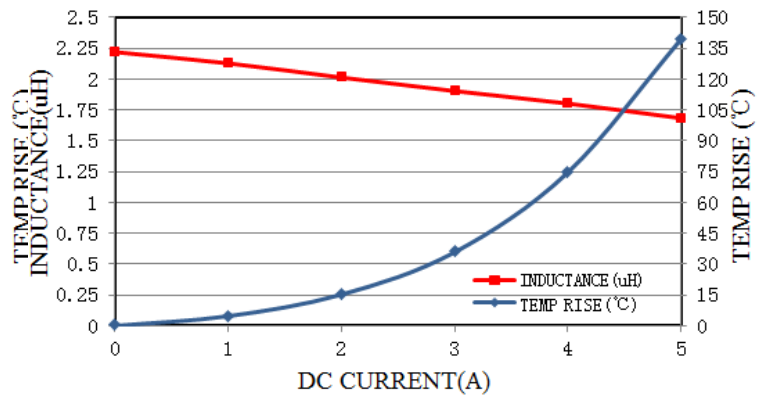
1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: ΔT 40°C approximately at Irms.
4. Saturation Rated Current: Inductance drop approximately 30% at Isat.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C ~ +125°C.
8. Special inquiries besides the above common used types can be met on your requirement.

3. DC Bias Characteristics (Typical)

EM-10AM33V02

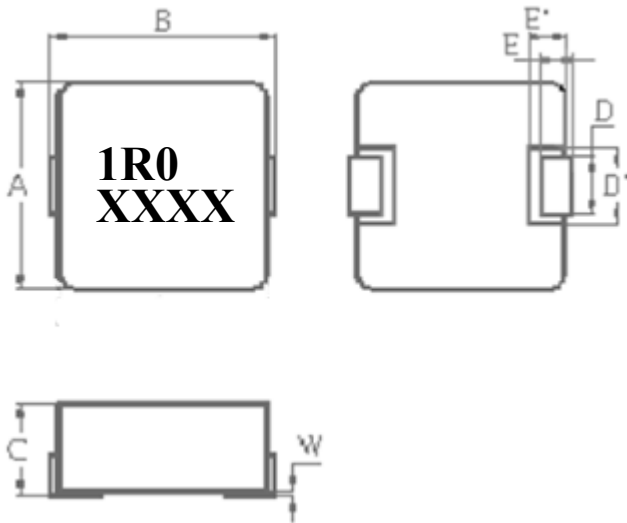


EM-22AM33V01



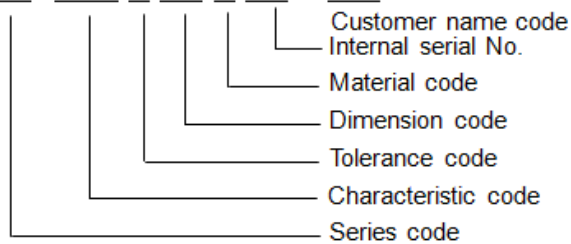
SMD Alloy Molding Power Inductor EM-29V Series (0615)

1. CONFIGURATIONS & DIMENSIONS



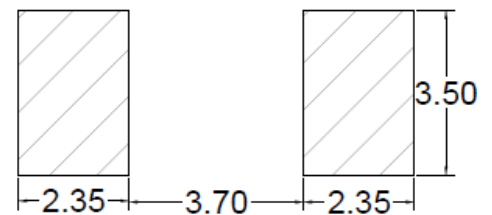
Code	Dimensions(mm)
A:	5.2 ± 0.3
B:	5.7 ± 0.3
C:	1.5MAX
E:	1.0 ± 0.5
E':	1.5 ± 0.1
D :	2.2 ± 0.3
D' :	2.6 ± 0.2
W:	0.15 ± 0

XX -XXX X XX X XX - XX



TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%



SUGGEST PCB PATTERN

2. SPECIFICATIONS

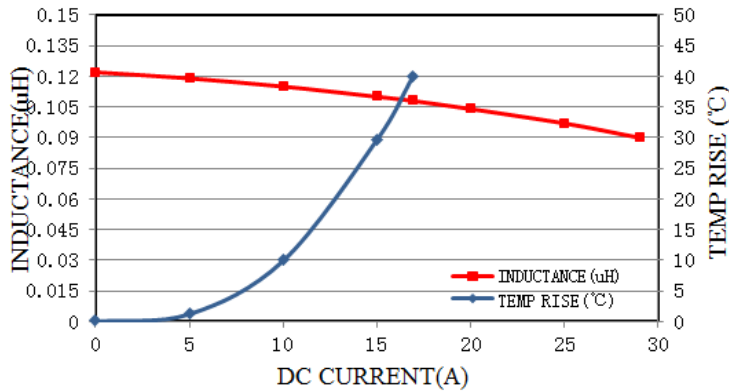
Part Number	Inductance L0(uH)± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-12BM29V01	0.12	16.9	29	4.0max
EM-15BM29V03	0.15	16.7	22	3.7±7%
EM-22BM29V01	0.22	14	14	4.5±10%
EM-33BM29V03	0.33	10	19.5	7.8max
EM-47BM29V01	0.47	9.8	13	8.5max
EM-56BM29V02	0.56	9	12	10±10%
EM-68BM29V02	0.68	9	10	12±10%
EM-82BM29V03	0.82	7	10	17max
EM-10AM29V05	1.00	6.8	9	19±5%
EM-15AM29V02	1.50	6	8.3	30±10%
EM-22AM29V01	2.20	5	6	50max
EM-33AM29V01	3.30	4.2	5.5	48±10%
EM-47AM29V03	4.70	3	4.5	85max
EM-68AM29V02	6.80	3	3.5	135±10%
EM-100M29V01	10.00	2	3	175max

Note:

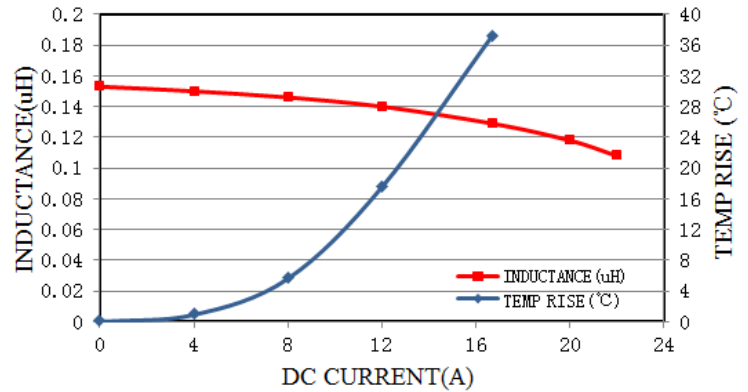
1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: ΔT 40°C approximately at Irms.
4. Saturation Rated Current: Inductance drop approximately 30% at Isat.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C~ +125°C.
8. Special inquiries besides the above common used types can be met on your requirement.

3. DC Bias Characteristics (Typical)

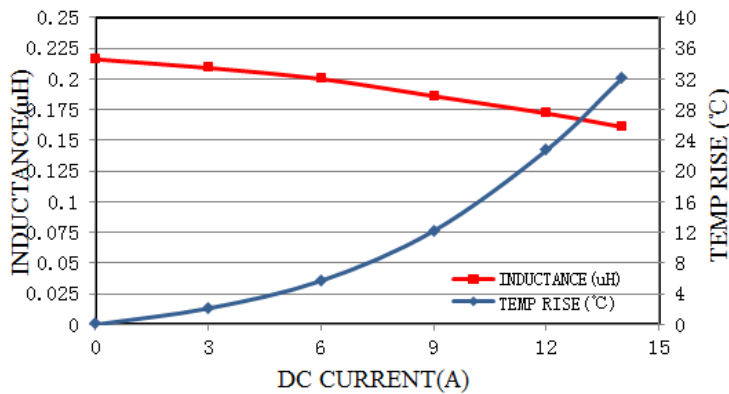
EM-12BM29V01



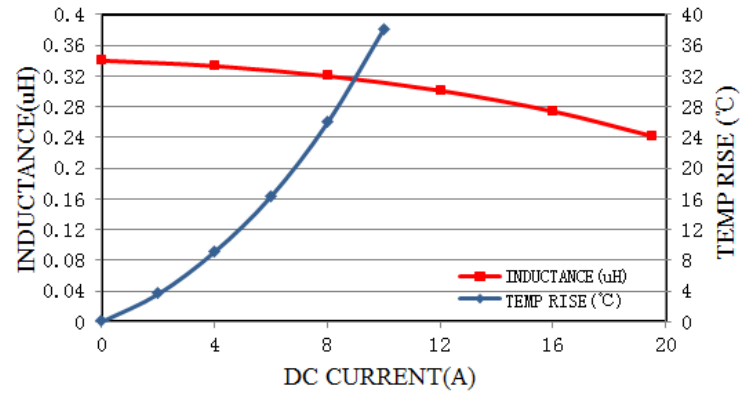
EM-15BM29V03



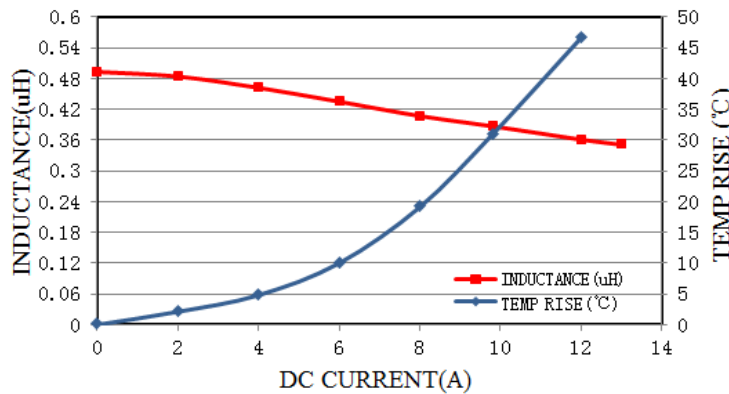
EM-22BM29V01



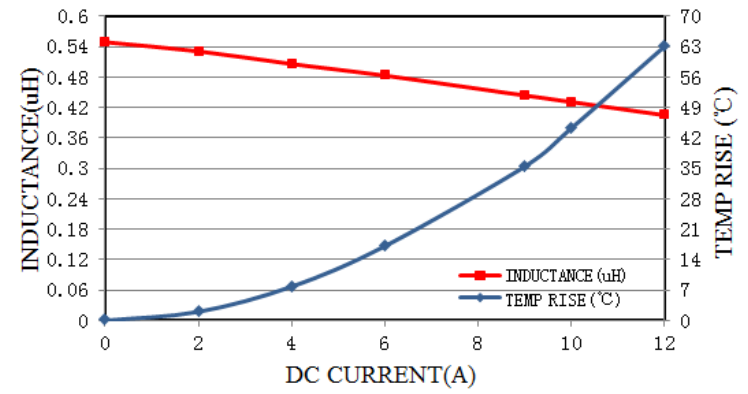
EM-33BM29V03



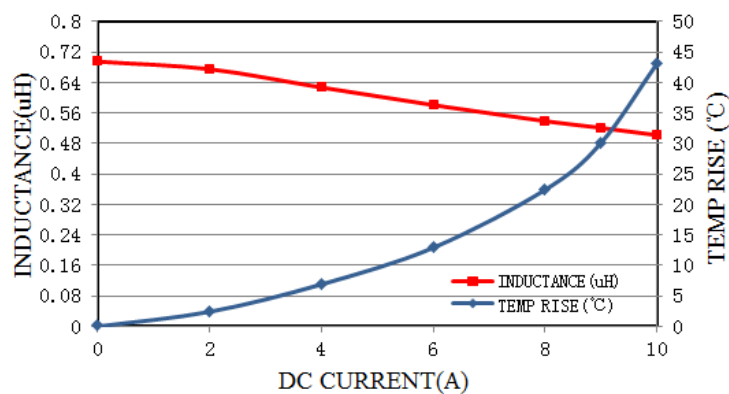
EM-47BM29V01



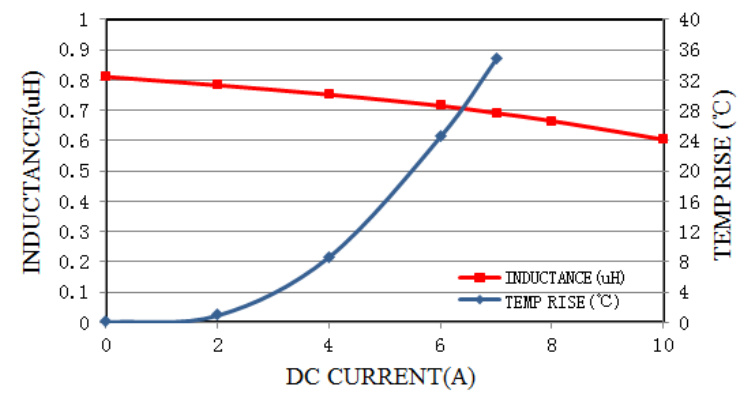
EM-56BM29V02



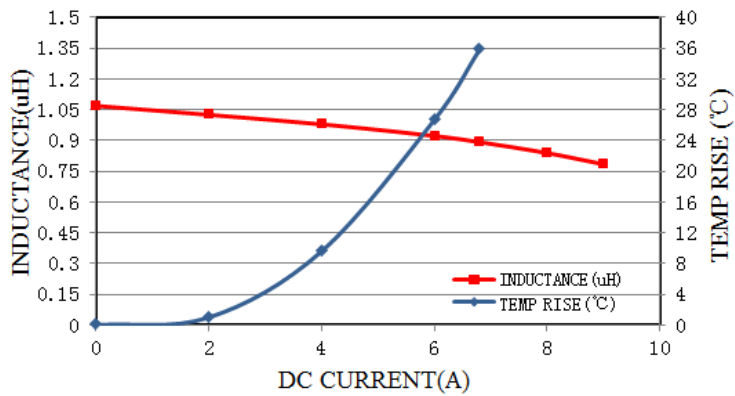
EM-68BM29V02



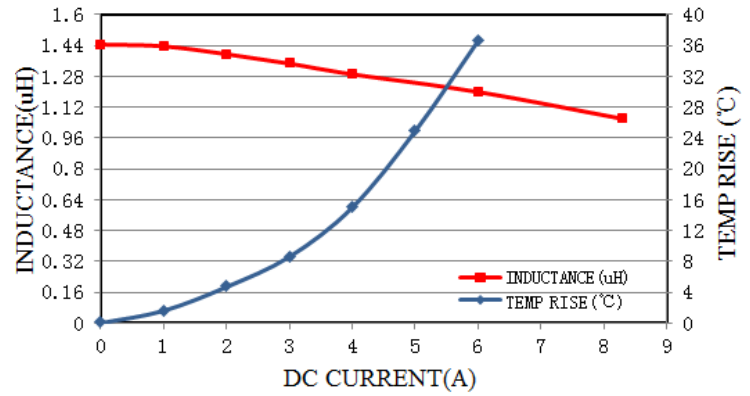
EM-82BM29V03



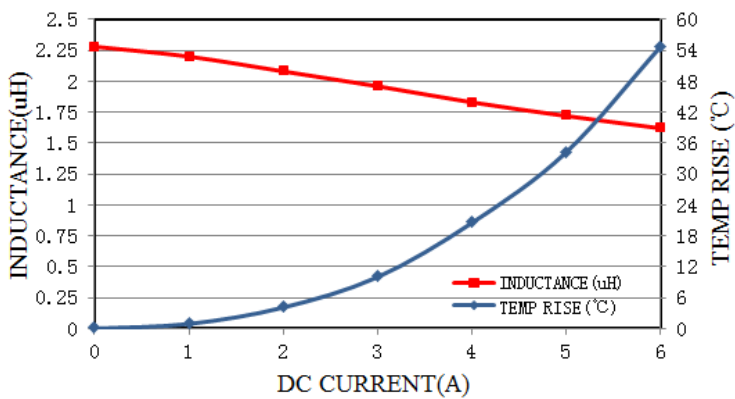
EM-10AM29V05



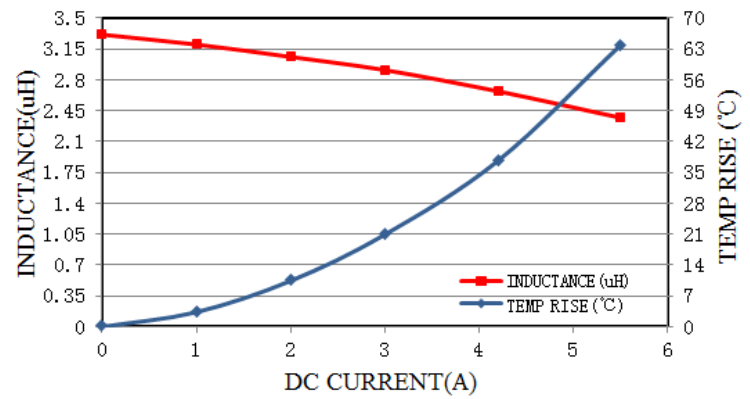
EM-15AM29V02



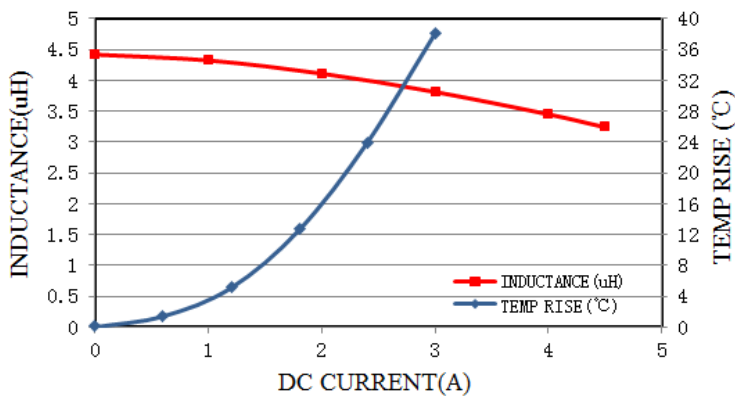
EM-22AM29V01



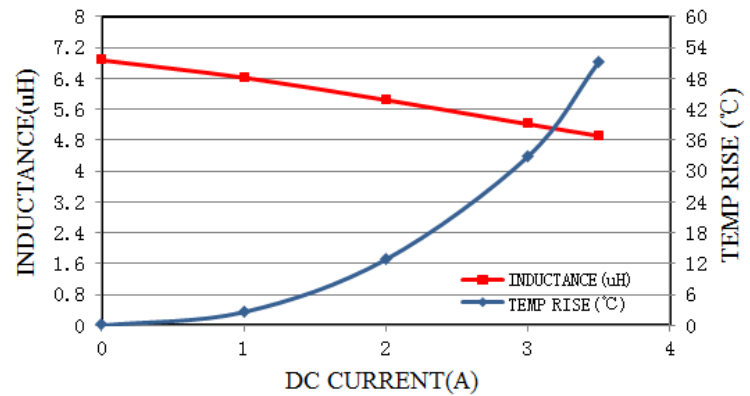
EM-33AM29V01



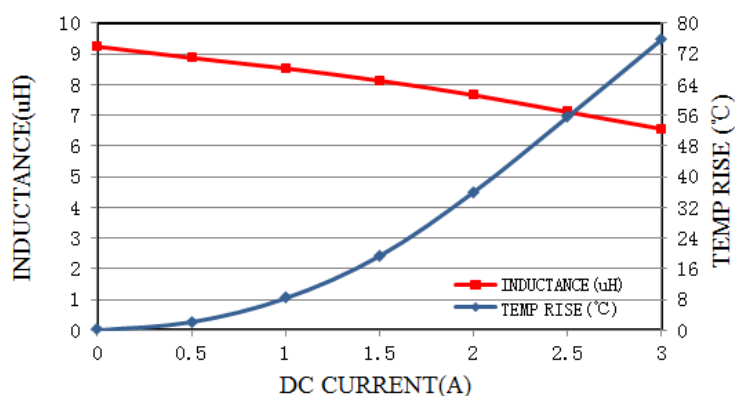
EM-47AM29V03



EM-68AM29V02

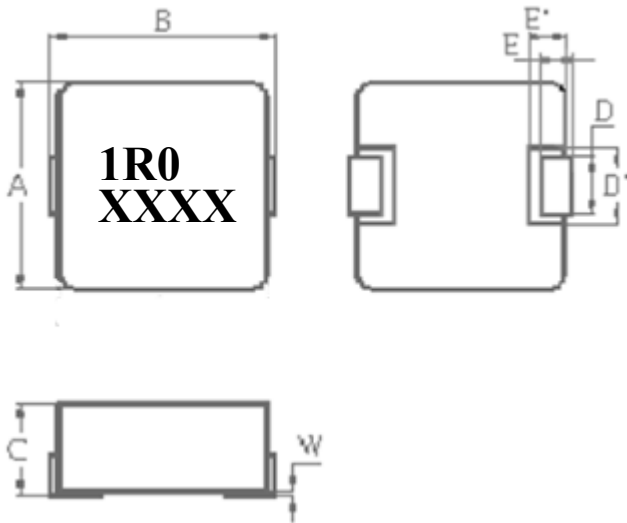


EM-100M29V01

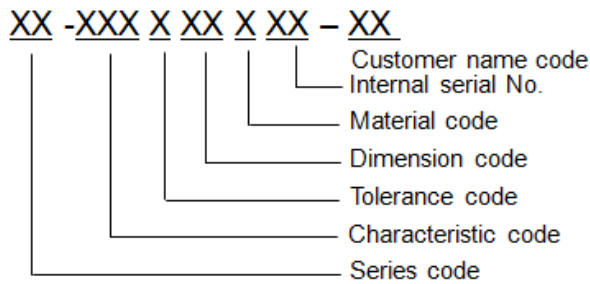


SMD Alloy Molding Power Inductor EM-03V Series (0618)

1. CONFIGURATIONS & DIMENSIONS

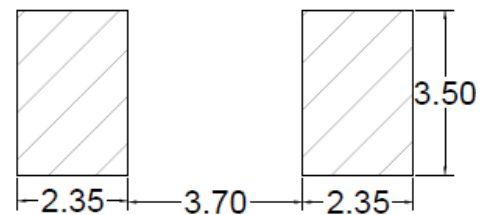


Code	Dimensions(mm)
A:	6.6 ± 0.3
B:	7.2 ± 0.3
C:	1.8MAX
E:	1.6 ± 0.5
E' :	2.0 ± 0.1
D :	3.0 ± 0.3
D' :	3.6 ± 0.2
W:	0.15 ± 0



TOLERANCE CODE:

J: $\pm 5\%$ K: $\pm 10\%$ L: $\pm 15\%$
M: $\pm 20\%$ N: $\pm 30\%$



SUGGEST PCB PATTERN

2. SPECIFICATIONS

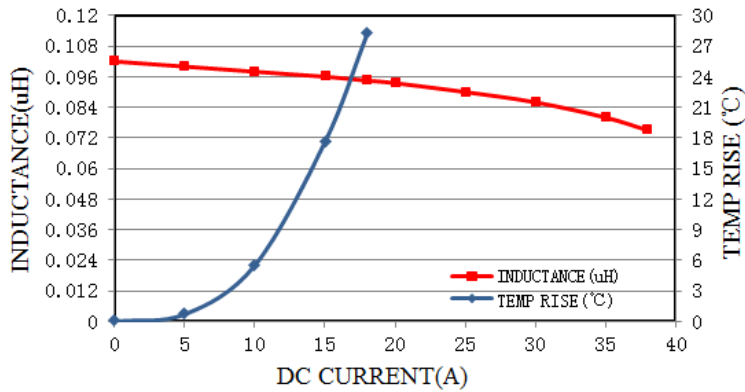
Part Number	Inductance L0(uH)± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-10BM03V01	0.10	18	38	2.4max
EM-15BM03V02	0.15	18	23	3.0±7%
EM-22BM03V06	0.22	15	29	4.3±7%
EM-33BM03V01	0.33	12	22	6.8max
EM-47BM03V02	0.47	11	18	8.4max
EM-68BM03V01	0.68	10	15	16max
EM-82BM03V01	0.82	8.5	17	15.9max
EM-10AM03V04	1.00	8	14	17max
EM-12AM03V01	1.20	6.5	11	22±10%
EM-15AM03V03	1.50	6.5	12	26max
EM-22AM03V07	2.20	6	13	35max
EM-33AM03V01	3.30	5	8	45.6±10%
EM-47AM03V03	4.70	3.6	5.5	70max
EM-68AM03V02	6.80	3	4	110max

Note:

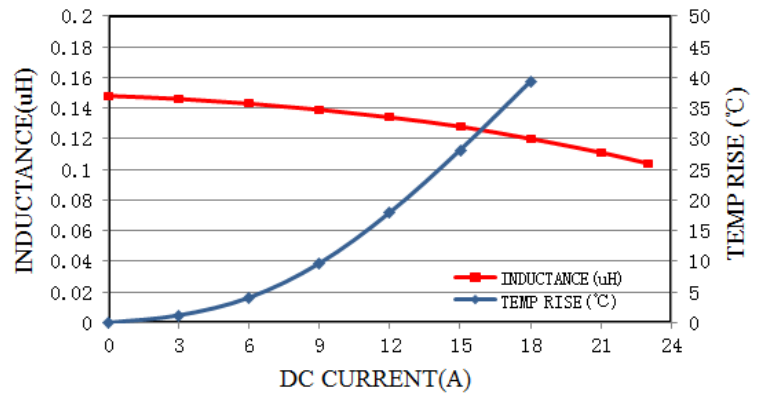
1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: ΔT 40°C approximately at Irms.
4. Saturation Rated Current: Inductance drop approximately 30% at Isat.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C~ +125°C.
8. Special inquiries besides the above common used types can be met on your requirement.

3. DC Bias Characteristics (Typical)

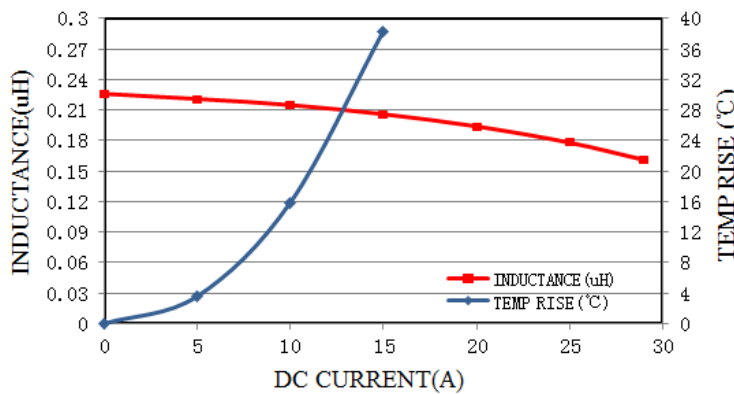
EM-10BM03V01



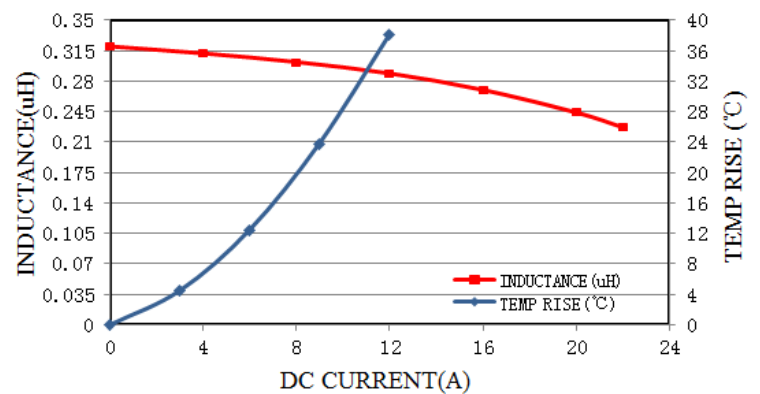
EM-15BM03V02



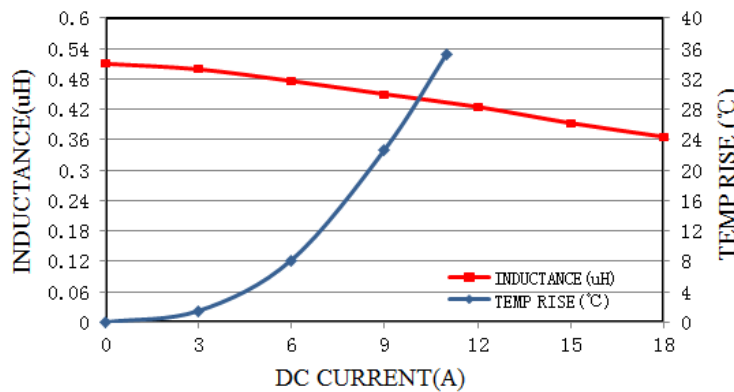
EM-22BM03V06



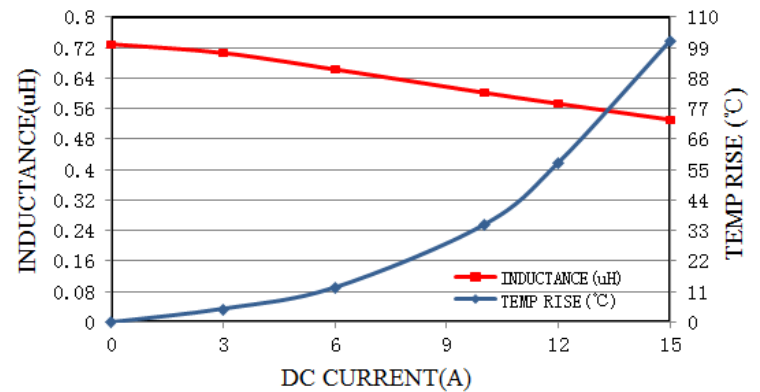
EM-33BM03V01



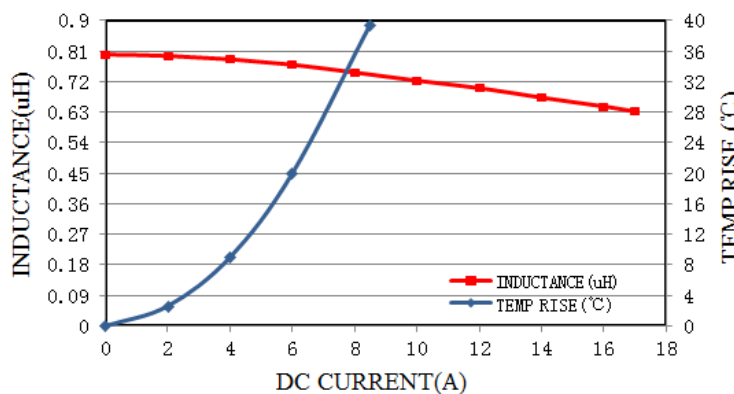
EM-47BM03V02



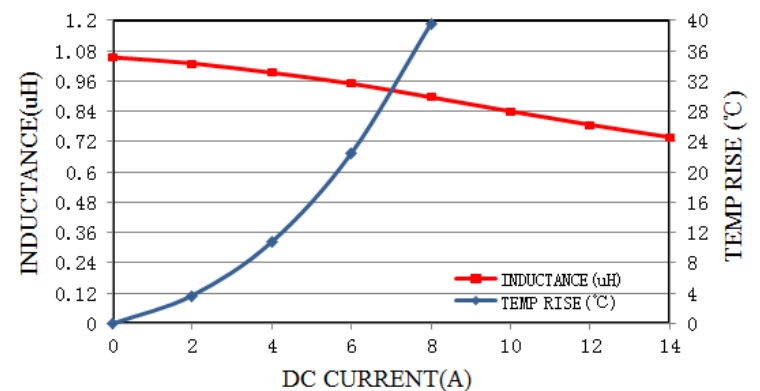
EM-68BM03V01



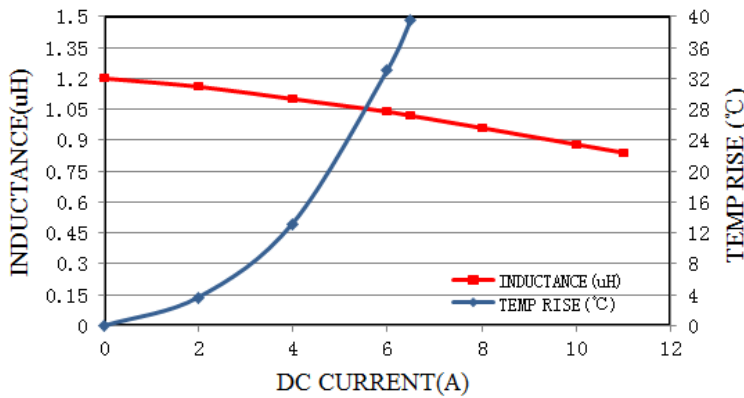
EM-82BM03V01



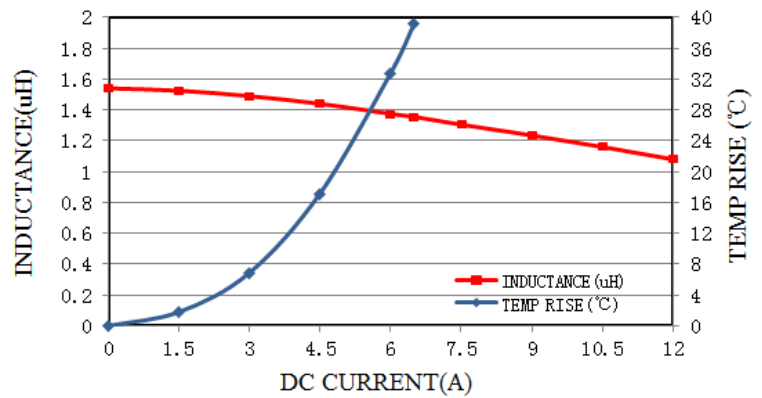
EM-10AM03V04



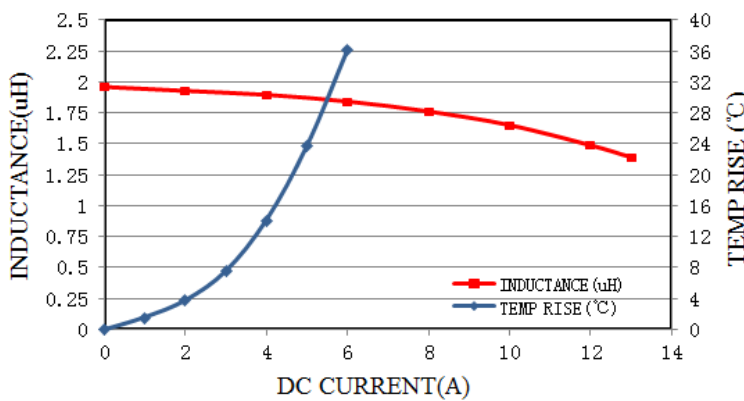
EM-12AM03V01



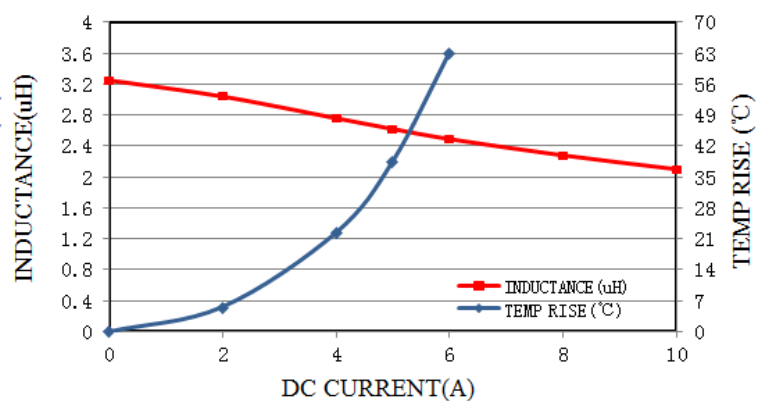
EM-15AM03V03



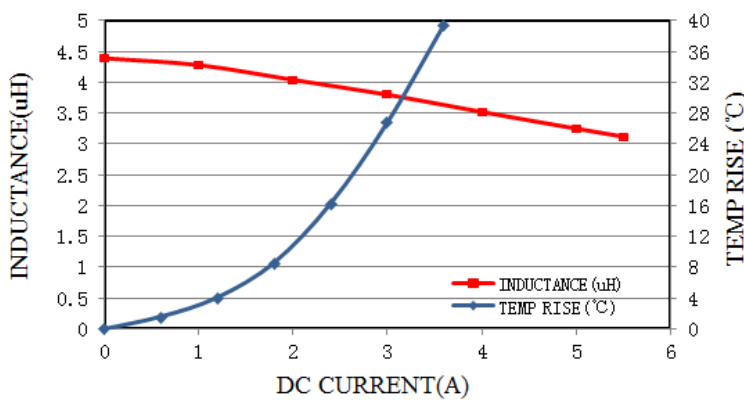
EM-22AM03V07



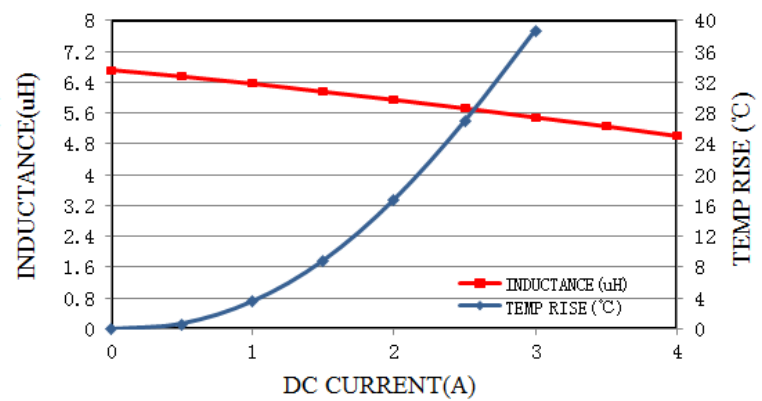
EM-33AM03V01



EM-47AM03V03

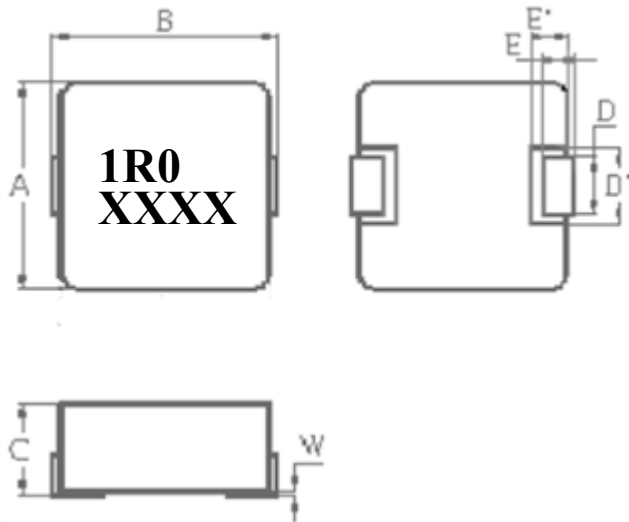


EM-68AM03V02

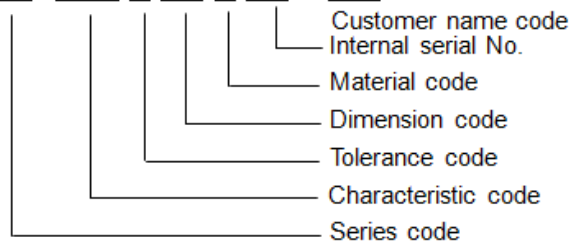


SMD Alloy Molding Power Inductor EM-28V Series (0620):

1. CONFIGURATIONS & DIMENSIONS



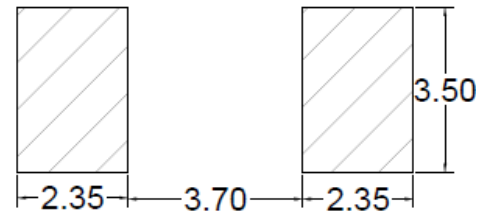
XX -XXX X XX X XX - XX



TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%

Code	Dimensions(mm)	
	R15/R18/R22/R47/R68/1R0/3R3/4R7	1R5/2R2
A:	6.6±0.3	
B:	7.2±0.3	
C:	2.0MAX	2.2MAX
E:	1.6±0.5	
E':	2.0±0.1	
D :	3.0±0.3	
D' :	3.6±0.2	
W:	0.15+0	



SUGGEST PCB PATTERN

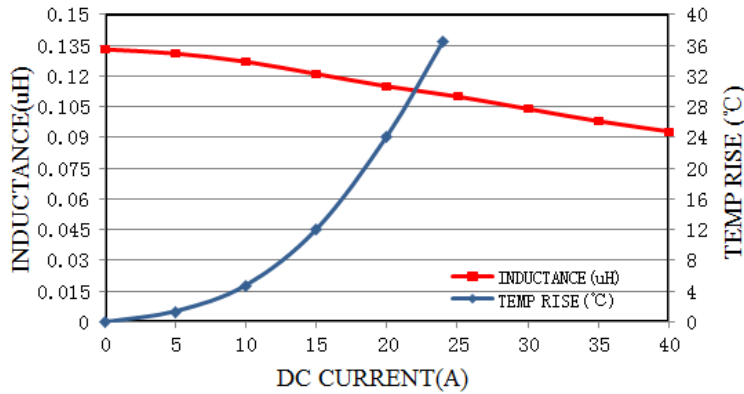
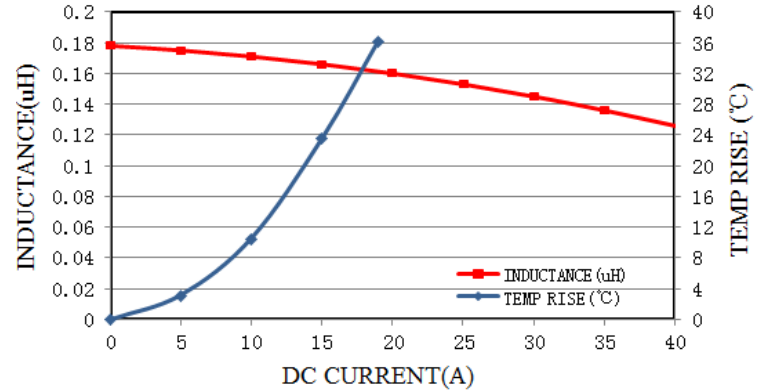
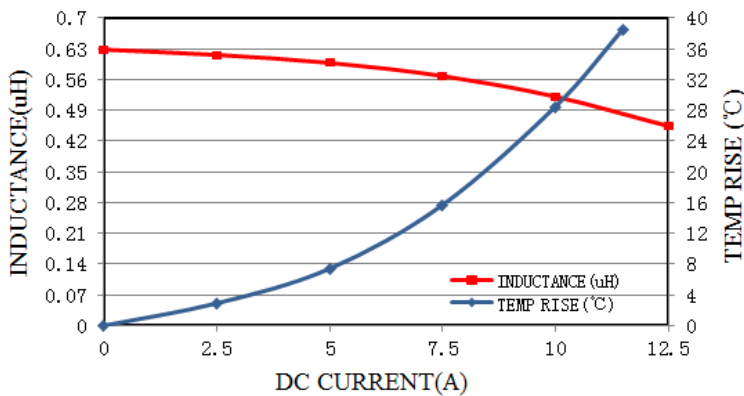
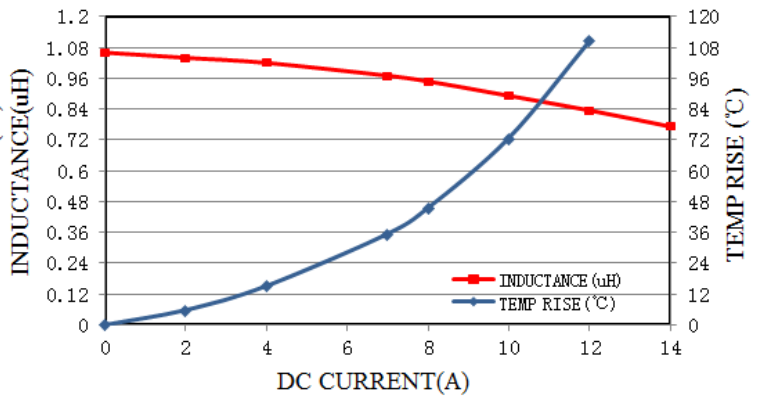
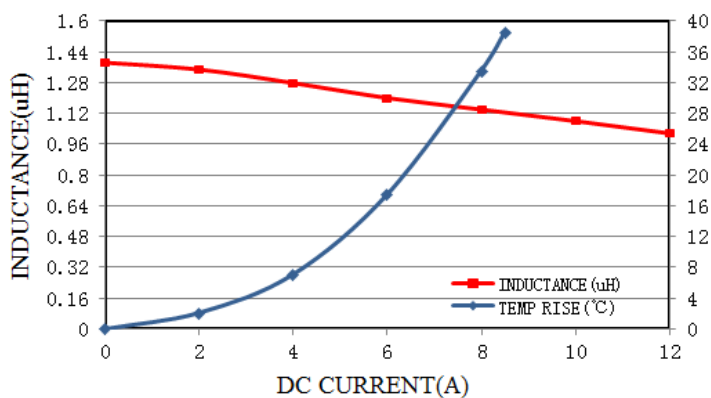
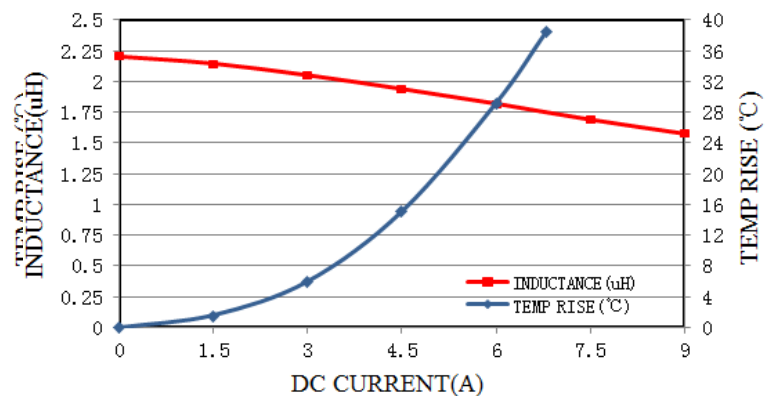
2. SPECIFICATIONS

Part Number	Inductance L0(uH)± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-15BM28V01	0.15	24	40	2.0±7%
EM-18BM28V02	0.18	19	41	2.52±7%
EM-22BM28V01	0.22	19	36	2.9max
EM-47BM28V01	0.47	13	18	5.5±7%
EM-68BM28V01	0.68	11.5	12.5	7.3±10%
EM-10AM28V01	1.00	7	14	18.3max
EM-15AM28V02	1.50	8.5	12	15max
EM-22AM28V03	2.20	6.8	9	24max
EM-33AM28V02	3.30	5	8	48max
EM-47AM28V02	4.70	3	8	78max

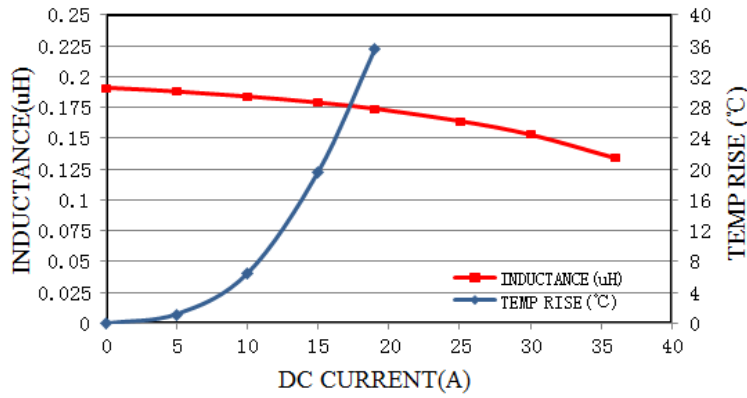
Note:

1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: ΔT 40°C approximately at Irms.
4. Saturation Rated Current: Inductance drop approximately 30% at Isat.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C~ +125°C.
8. Special inquiries besides the above common used types can be met on your requirement.

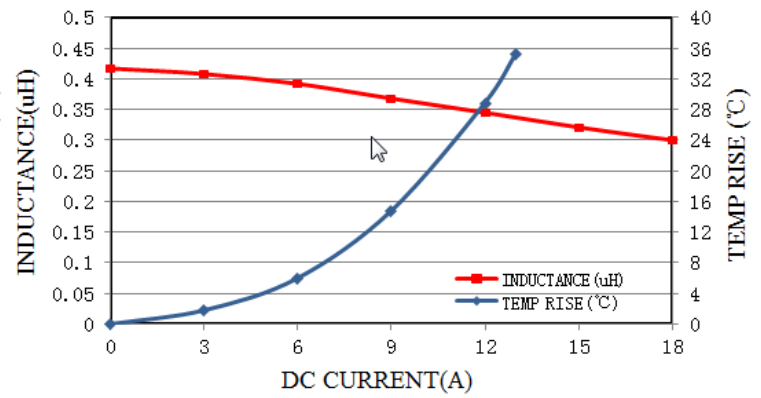
3. DC Bias Characteristics (Typical)

EM-15BM28V01

EM-18BM28V02

EM-68BM28V01-N1

EM-10AM28V01-L1

EM-15AM28V02

EM-22AM28V03


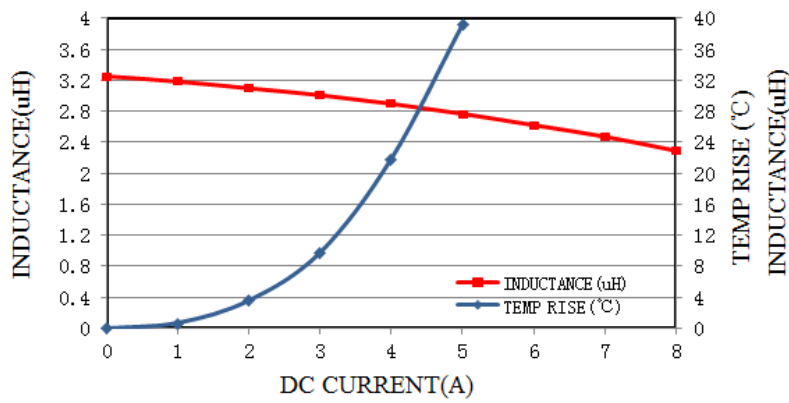
EM-22BM28V01



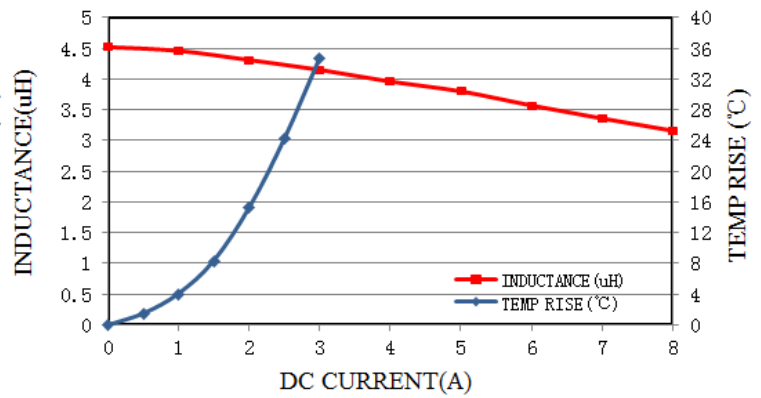
EM-47BM28V01



EM-33AM28V02

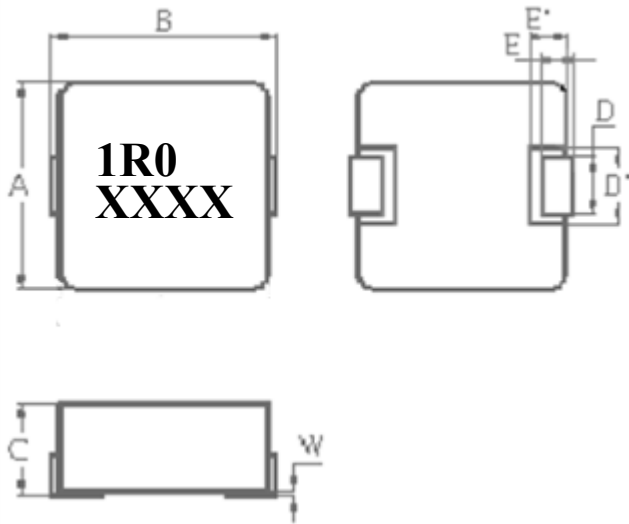


EM-47AM28V02



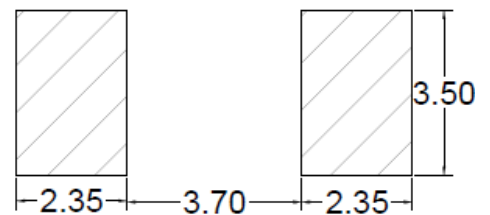
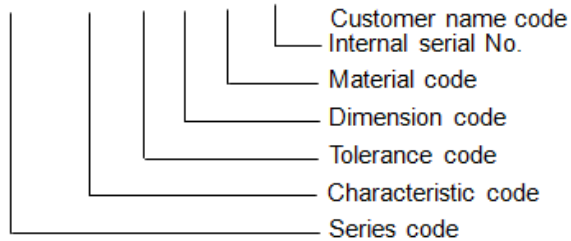
SMD Alloy Molding Power Inductor EM-04V Series (0624):

1. CONFIGURATIONS & DIMENSIONS



Code	Dimensions(mm)
A:	6.6 ± 0.3
B:	7.2 ± 0.3
C:	2.4MAX
E:	1.6 ± 0.5
E':	2.0 ± 0.1
D :	3.0 ± 0.5
D' :	3.6 ± 0.2
W:	0.15 ± 0

XX -XXX X XX X XX - XX



SUGGEST PCB PATTERN

TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%

2. SPECIFICATIONS

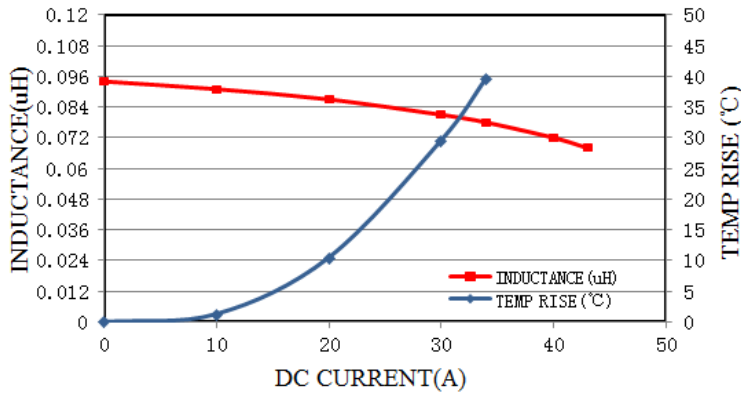
Part Number	Inductance L0(uH)± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-10BM04V01	0.10	34	43	0.97max
EM-12BM04V01	0.12	34	40	0.97max
EM-15BM04V01	0.15	27	55	2.4max
EM-20BM04V01	0.20	21	35	2.6max
EM-22BM04V06	0.22	21	34	3.2max
EM-24BM04V01	0.24	30	30	1.19±10%
EM-33BM04V01	0.33	18	25	4.1max
EM-36BM04V01	0.36	17	20	4.51max
EM-47BM04V05	0.47	15	22	4.68±10%
EM-56BM04V01	0.56	13	18	7.0max
EM-68BM04V01	0.68	11	18	8.7max
EM-82BM04V01	0.82	11	21	12max
EM-10AM04V04	1.00	11	15	10max
EM-15AM04V05	1.50	8	18	17max
EM-22AM04V03	2.20	7	14	28max
EM-36AM04V01	3.60	4.9	11	45max
EM-47AM04V03	4.70	5.5	6.5	35max
EM-68AM04V03	6.80	3.5	9	95max
EM-82AM04V01	8.20	3	3.5	85max
EM-100M04V03	10.00	3.2	5	92max
EM-150M04V01	15.00	2.5	4	160max

Note:

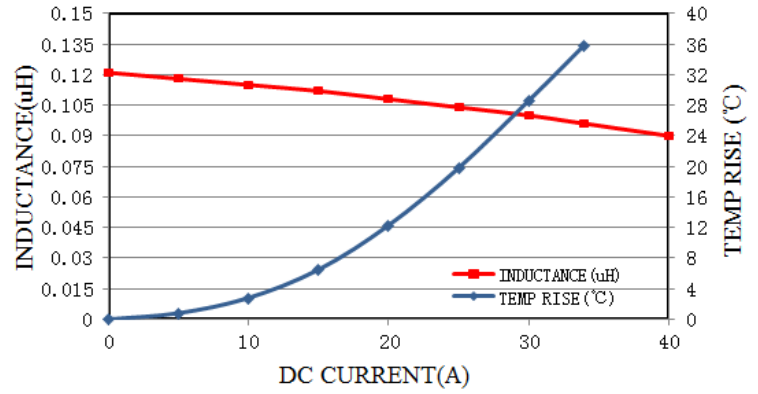
1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: ΔT 40°C approximately at Irms.
4. Saturation Rated Current: Inductance drop approximately 30% at Isat.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C~ +125°C.
8. Special inquiries besides the above common used types can be met on your requirement.

3. DC Bias Characteristics (Typical)

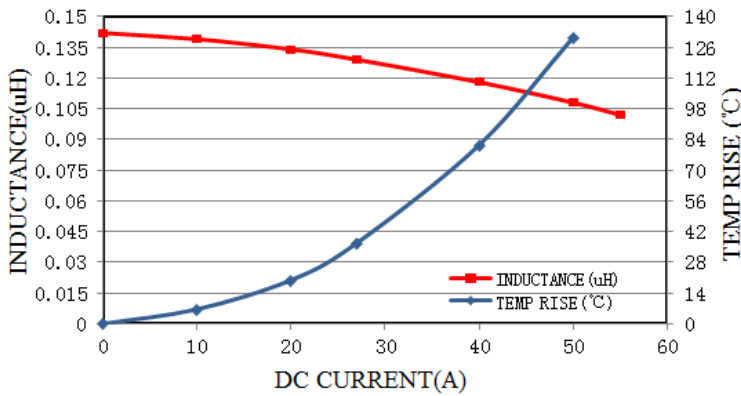
EM-10BM04V01



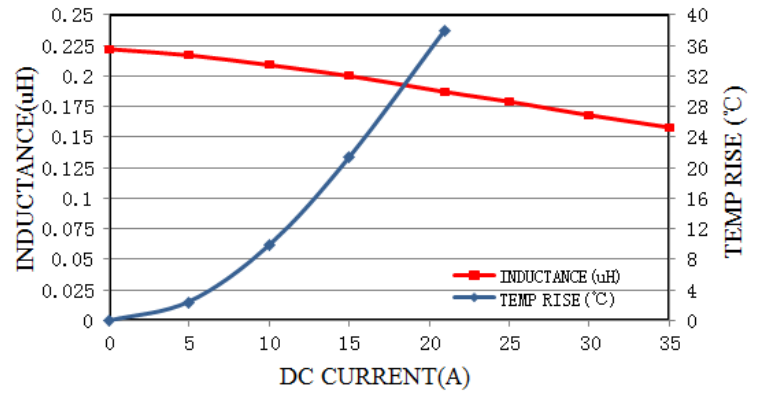
EM-12BM04V01



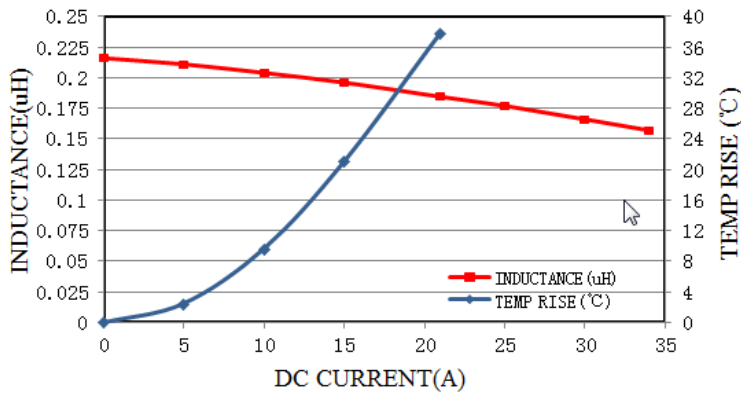
EM-15BM04V01



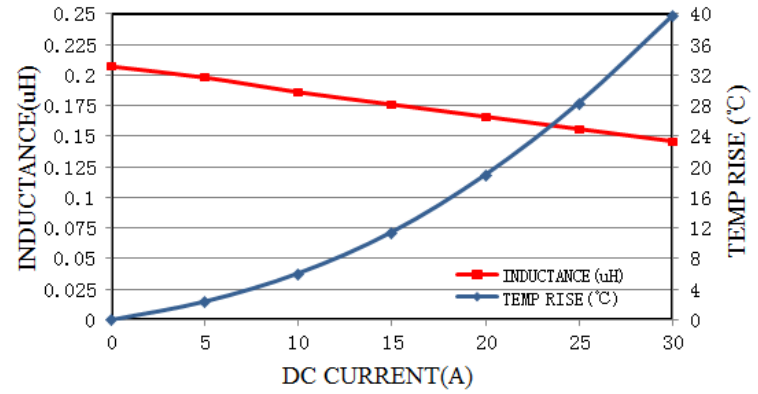
EM-20BM04V01



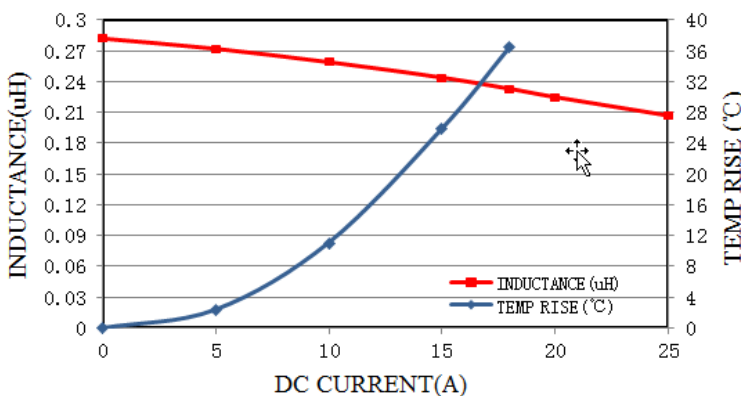
EM-22BM04V06



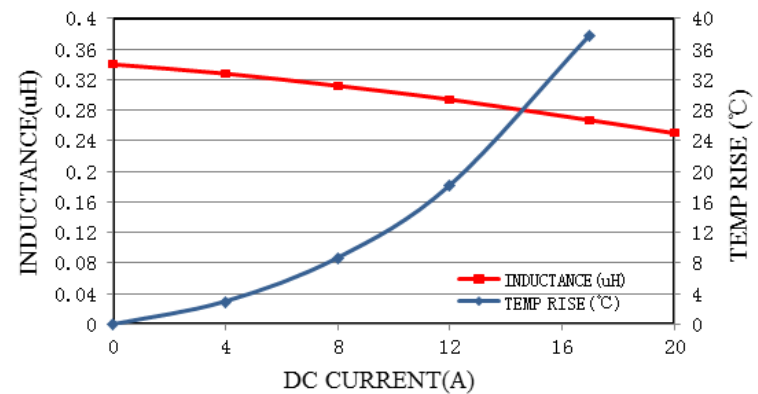
EM-24BM04V01



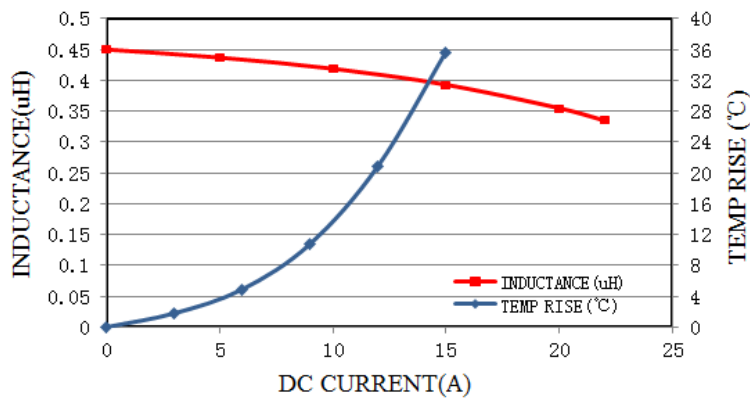
EM-33BM04V01



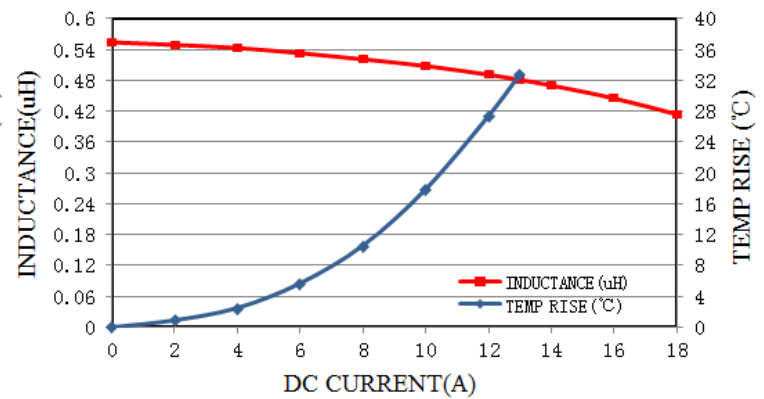
EM-36BM04V01



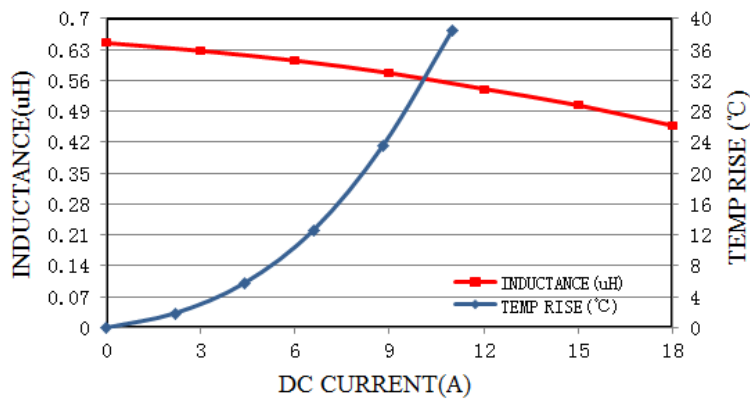
EM-47BM04V05



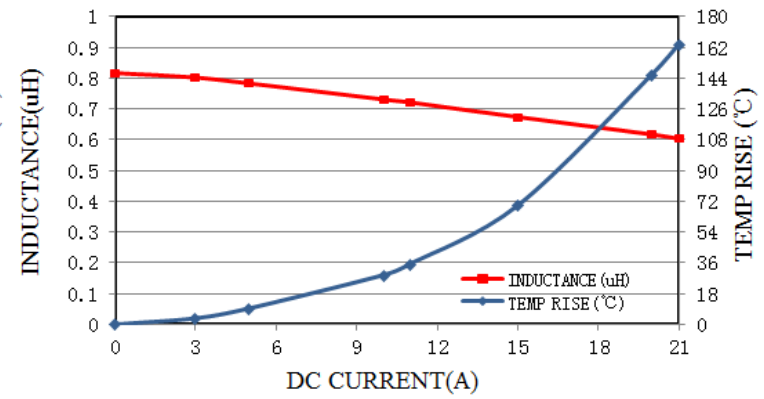
EM-56BM04V01



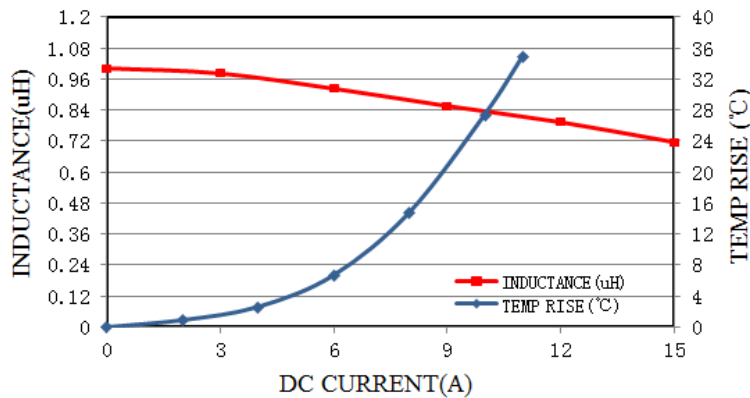
EM-68BM04V01



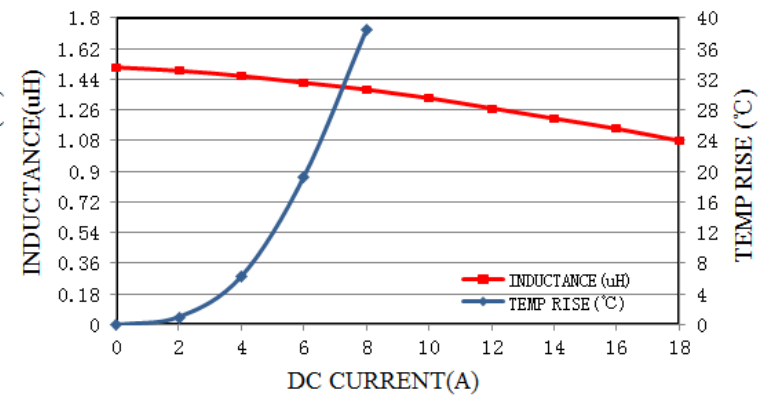
EM-82BM04V01



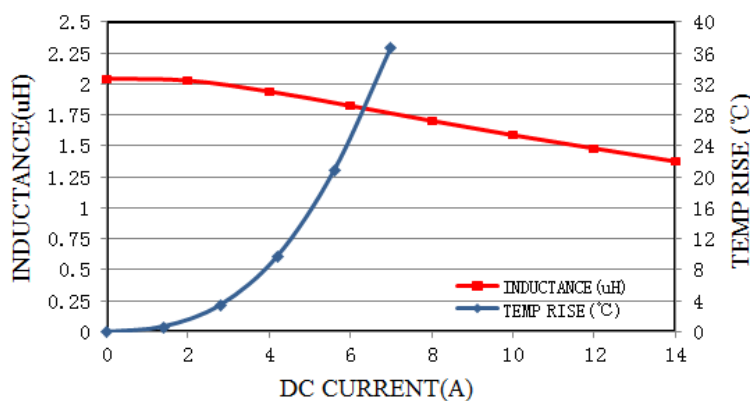
EM-10AM04V04



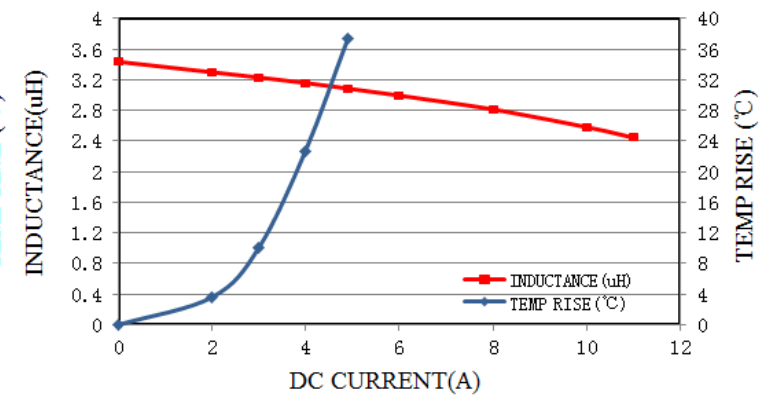
EM-15AM04V05



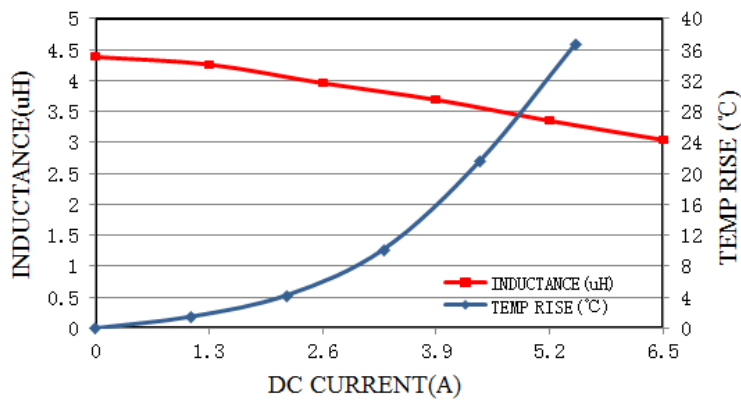
EM-22AM04V03



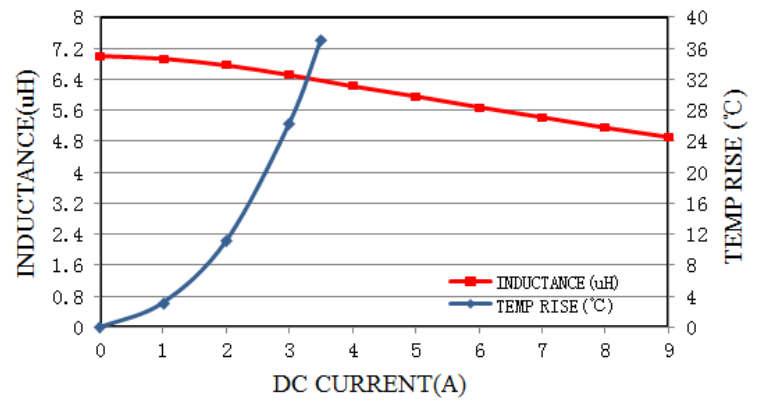
EM-36AM04V01-S3



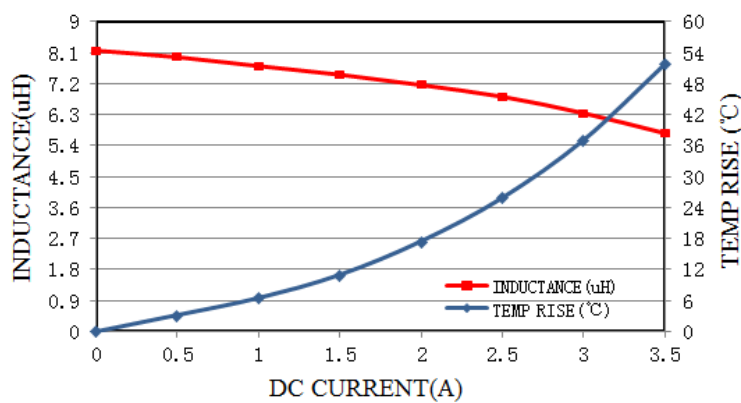
EM-47AM04V03



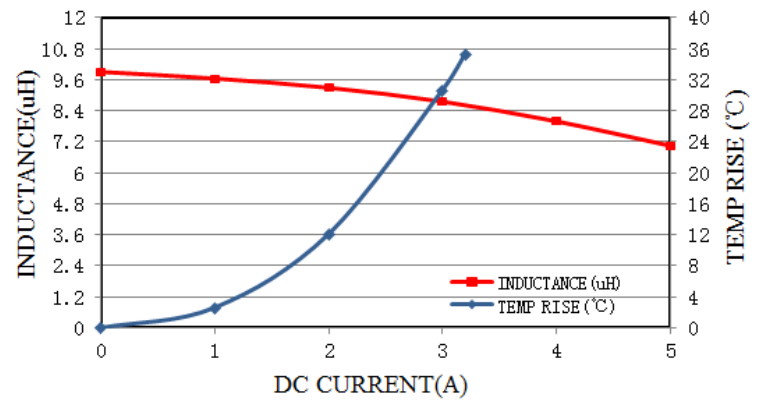
EM-68AM04V03



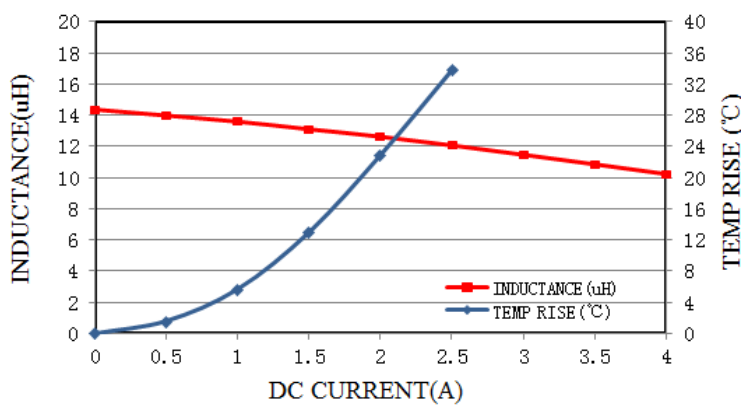
EM-82AM04V01



EM-100M04V03

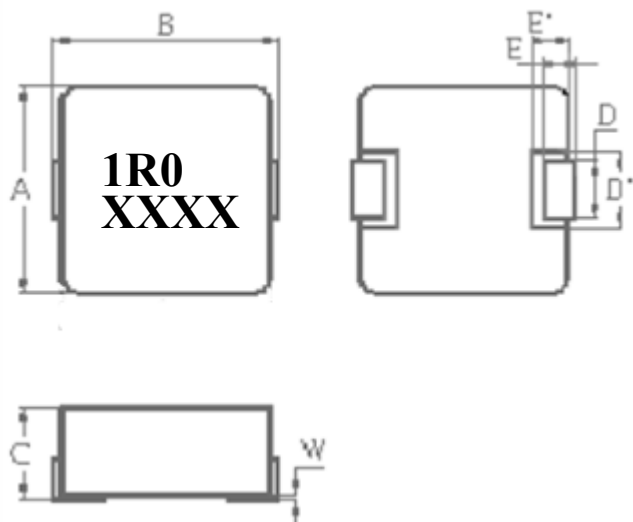


EM-150M04V01

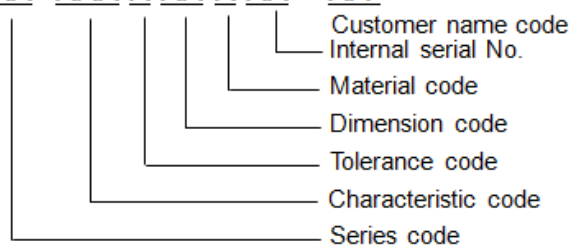


SMD Alloy Molding Power Inductor EM-05V Series (0630):

1. CONFIGURATIONS & DIMENSIONS



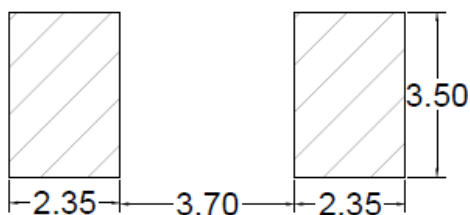
XX -XXX X XX X XX - XX



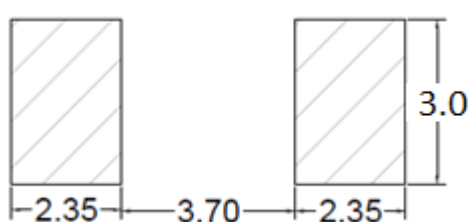
TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%

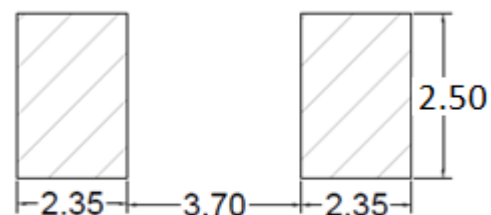
Code	Dimensions(mm)			
	R12/R15/R22/ R33/R47/R56/ R68/R72/R82/ R90/1R0/1R2/ 1R6/1R8/2R0/ 2R2/2R5/3R3/ 4R7/5R6/6R8/ 100/150/220/3 30/470	R10/R24/ 1R5/8R2	R20	R36
A:	6.6±0.3			
B:	7.2±0.3			
C:	3.0MAX			
E:	1.6±0.5			
E':	2.0±0.1			
D :	3.0±0.3	3.0±0.5	2.3±0.5	2.2±0.3
D' :	3.6±0.2			
W:	0.15+0			



SUGGEST PCB PATTERN



SUGGEST PCB PATTERN



SUGGEST PCB PATTERN

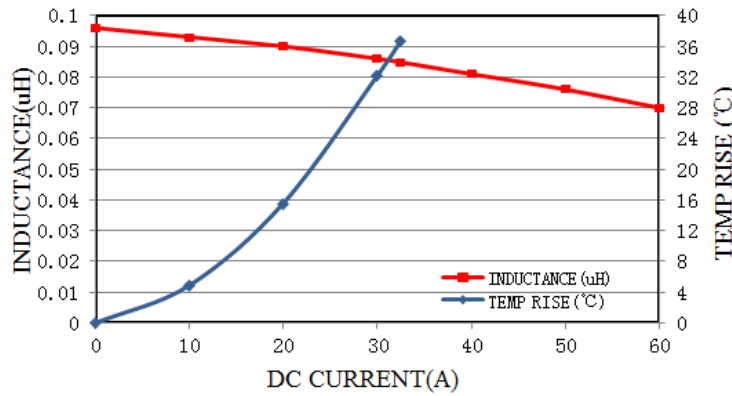
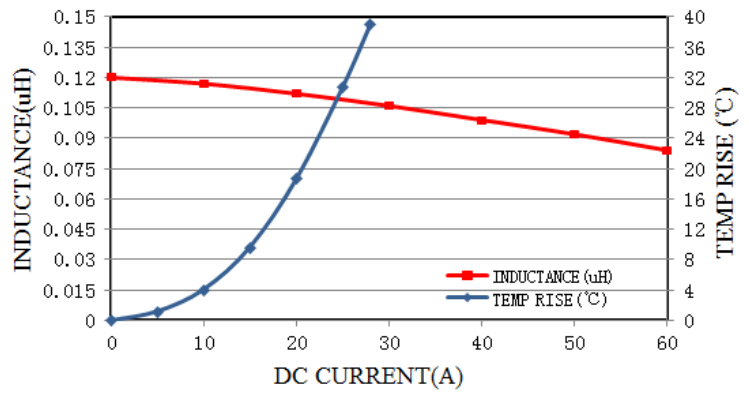
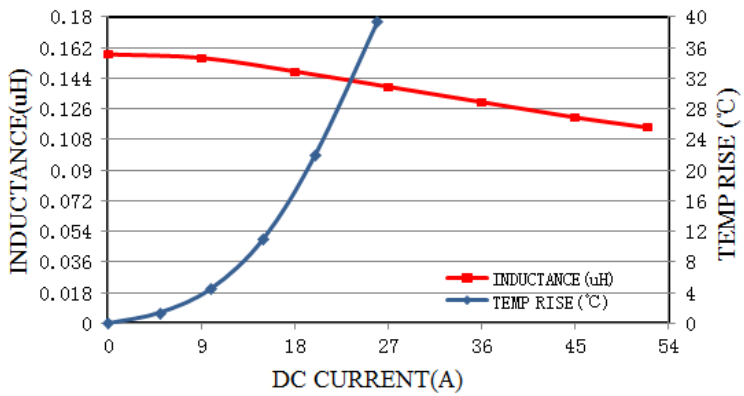
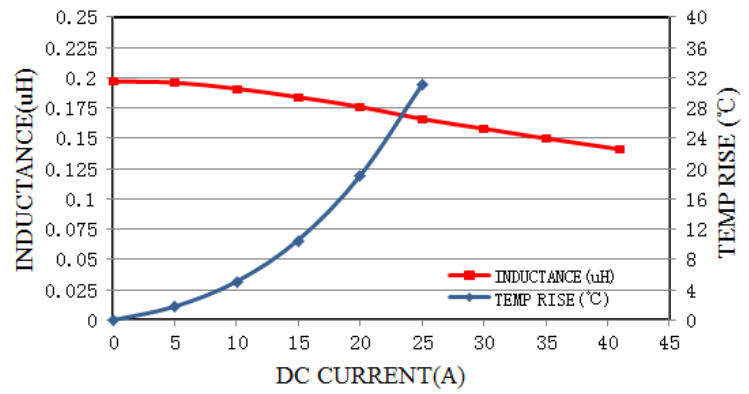
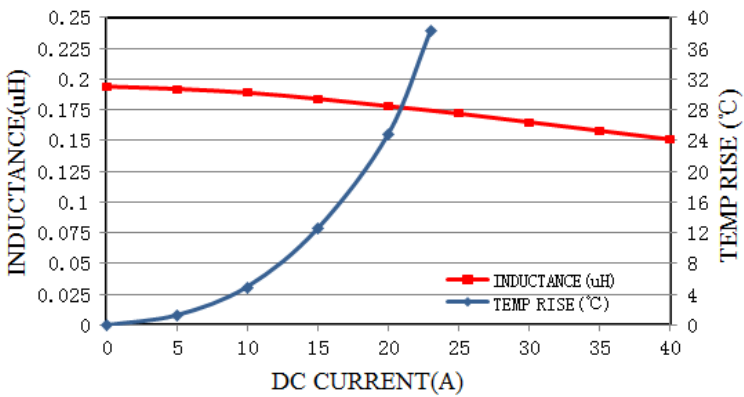
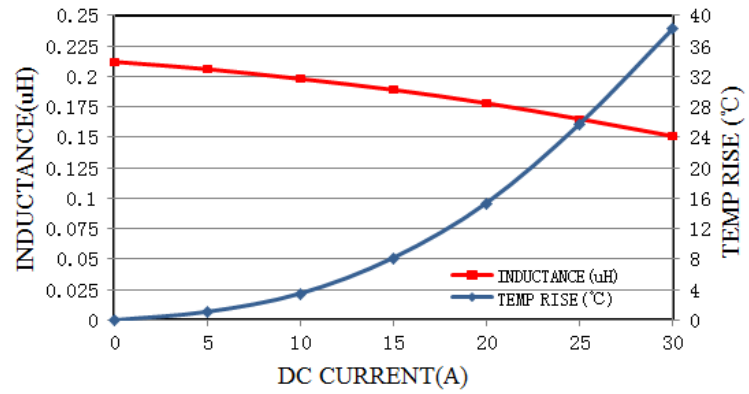
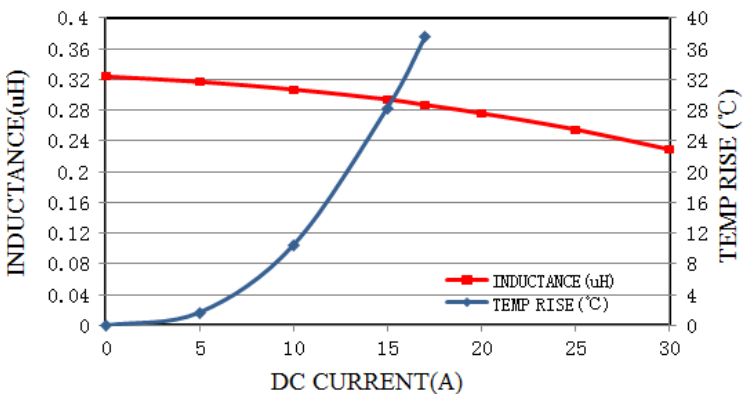
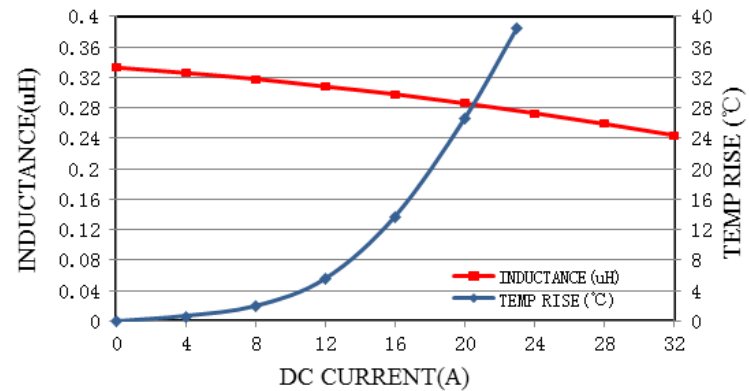
2. SPECIFICATIONS

Part Number	Inductance L0(uH)± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-10BM05V03	0.10	32.5	60	1.2max
EM-12BM05V02	0.12	28	60	1.5±7%
EM-15BM05V04	0.15	26	52	2.0±7%
EM-20BM05V02	0.20	25	41	2.0max
EM-22BM05V08	0.22	23	40	2.4±10%
EM-24BM05V06	0.24	30	30	1.19±5%
EM-33BM05V10	0.33	17	30	3.6±7%
EM-36BM05V02	0.36	23	32	2.4max
EM-47BM05V09	0.47	17.5	26	4.2max
EM-56BM05V02	0.56	15.5	23	5.3max
EM-68BM05V17	0.68	15	23	5.0±10%
EM-72BM05V01	0.72	10	18	8.8max
EM-82BM05V08	0.82	12	15	5.7±10%
EM-90BM05V01	0.90	15	14	5.5max
EM-10AM05V16	1.00	11	22	10.0max
EM-12AM05V01	1.20	10	18	11.6±10%
EM-15AM05V08	1.50	9	18	15max
EM-16AM05V01	1.60	9	10	14max
EM-18AM05V01	1.80	10	13	14.4±10%
EM-20AM05V01	2.00	10	15	12.8±10%
EM-22AM05V06	2.20	8	14	20max
EM-25AM05V02	2.50	7	14	18.4±10%
EM-33AM05V05	3.30	6	13.5	30max
EM-47AM05V17	4.70	5.5	10	40max
EM-56AM05V04	5.60	5.5	8	40max
EM-68AM05V06	6.80	4.5	8	60max
EM-82AM05V03	8.20	4.5	6	60max
EM-100M05V05	10.00	4	5.5	68max
EM-150M05V01	15.00	2.7	5	110±10%
EM-220M05V03	22.00	2.5	3.3	135max
EM-330M05V01	33.00	2	2.5	240max
EM-470M05V01	47.00	1.4	2	450max

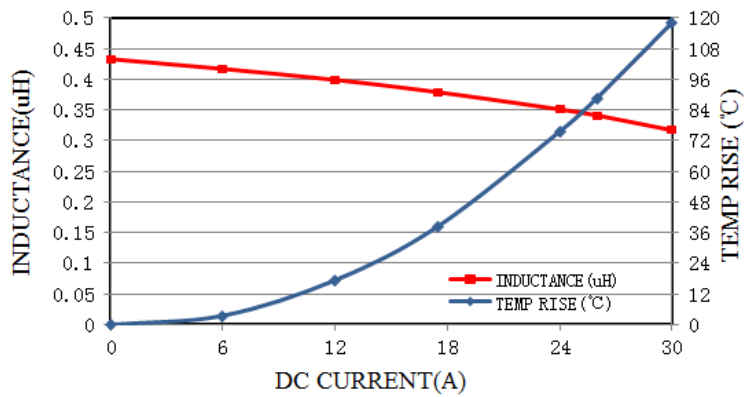
Note:

1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: ΔT 40°C approximately at Irms.
4. Saturation Rated Current: Inductance drop approximately 30% at Isat.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C ~ +125°C.
8. Special inquiries besides the above common used types can be met on your requirement.

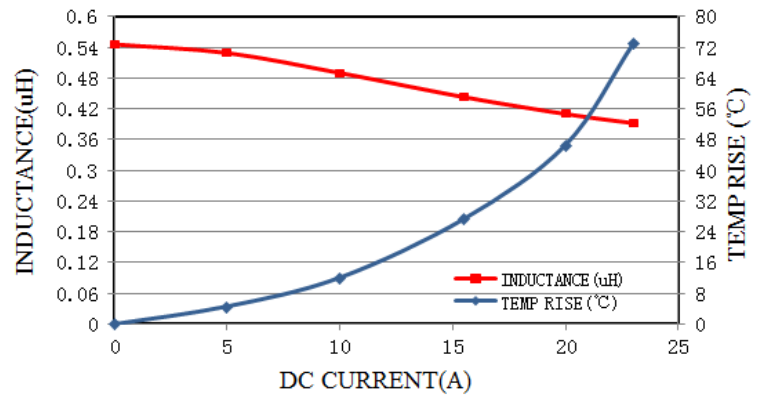
3. DC Bias Characteristics (Typical)

EM-10BM05V03

EM-12BM05V02

EM-15BM05V04

EM-20BM05V02

EM-22BM05V08

EM-24BM05V06

EM-33BM05V10

EM-36BM05V02


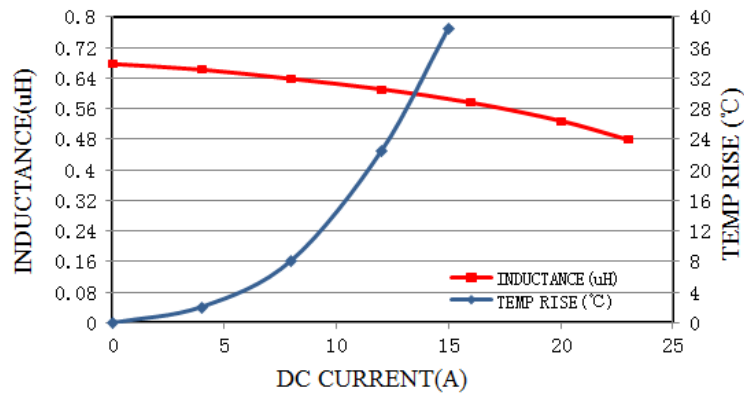
EM-47BM05V09



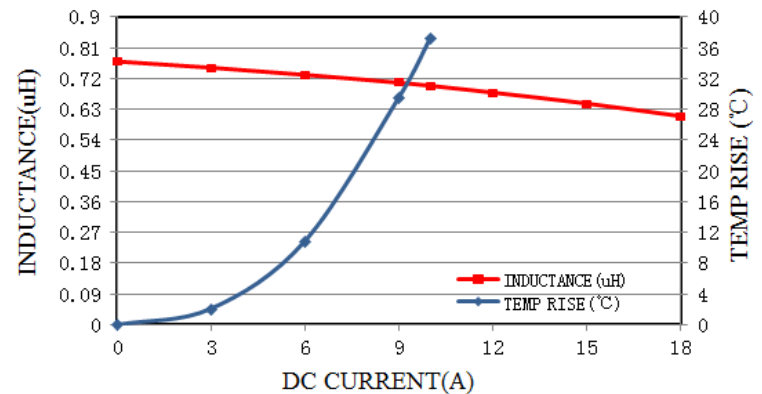
EM-56BM05V02



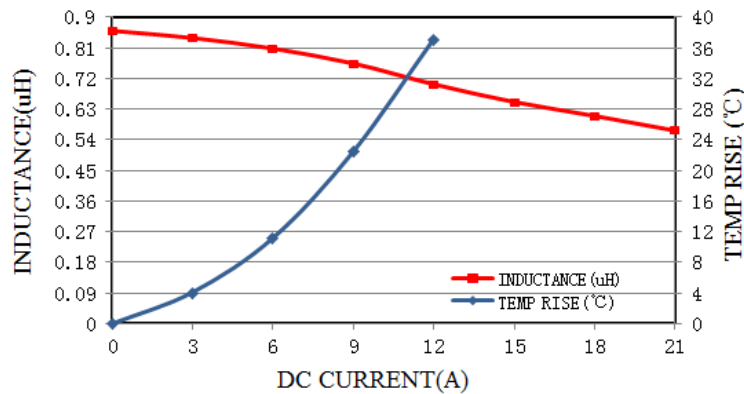
EM-68BM05V17



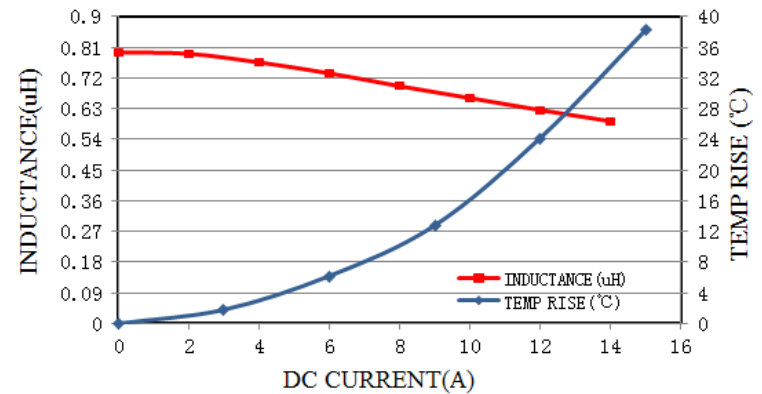
EM-72BM05V01



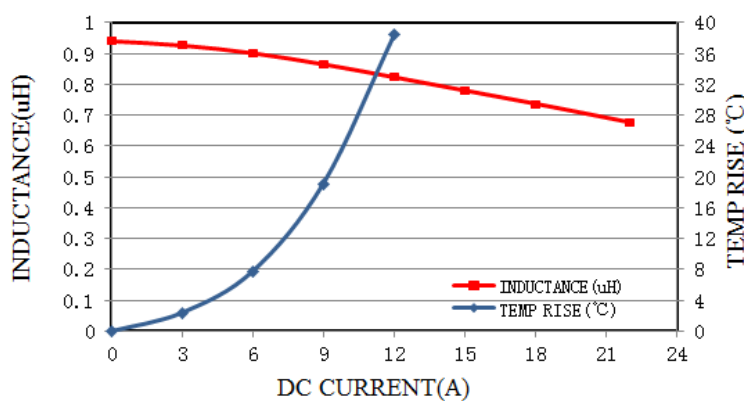
EM-82BM05V08



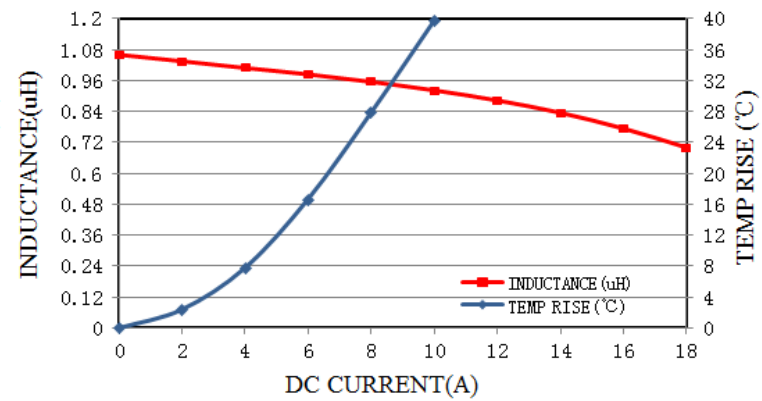
EM-90BM05V01



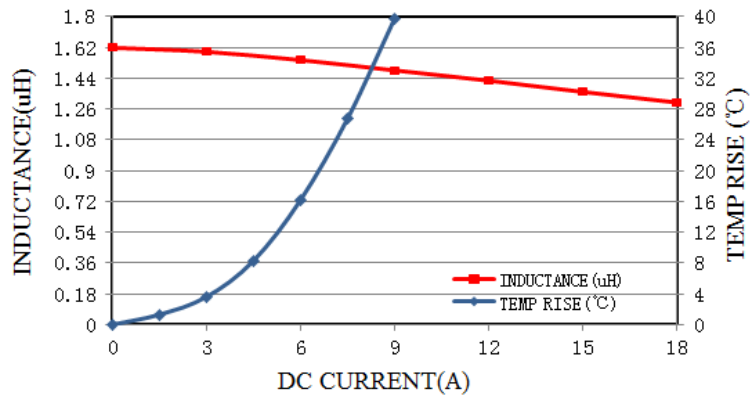
EM-10AM05V16



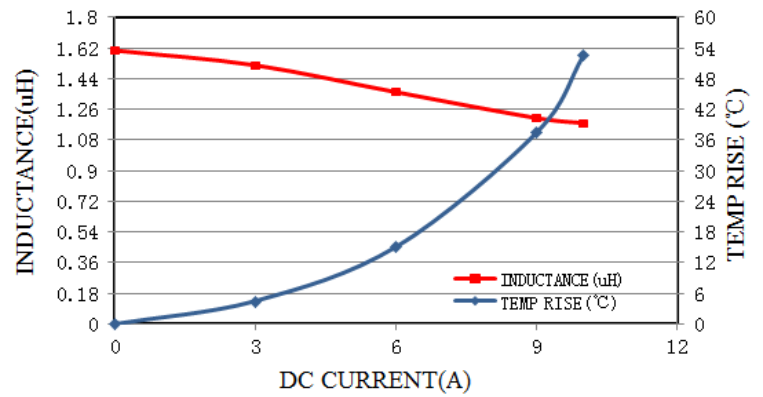
EM-12AM05V01



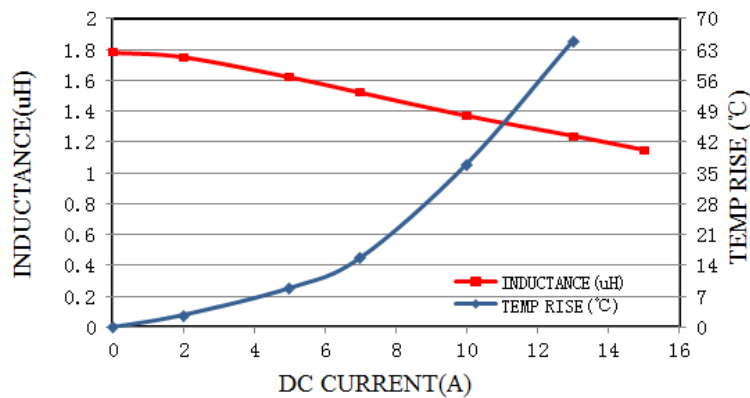
EM-15AM05V08



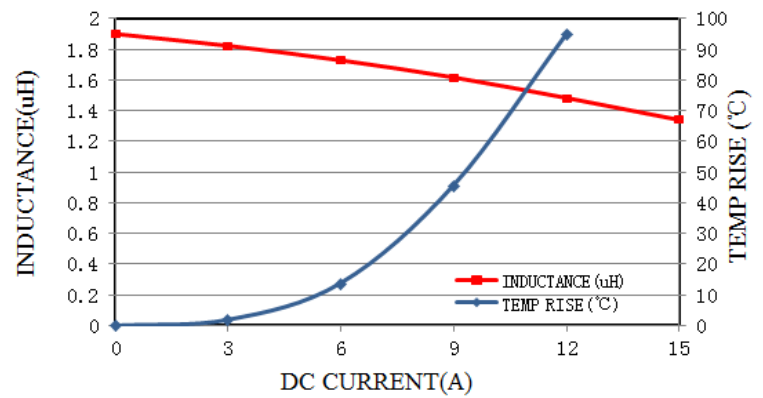
EM-16AM05V01



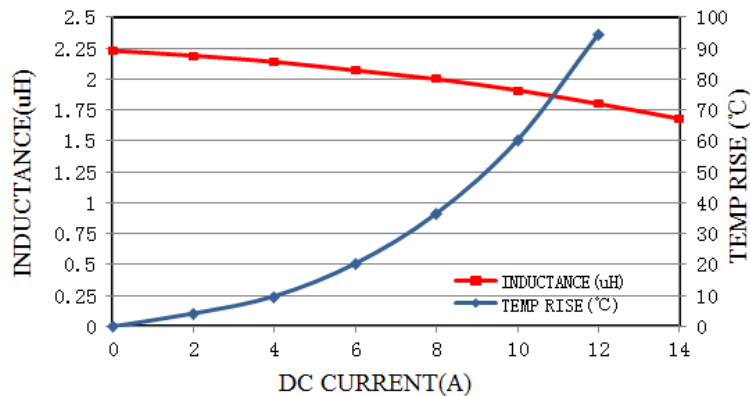
EM-18AM05V01



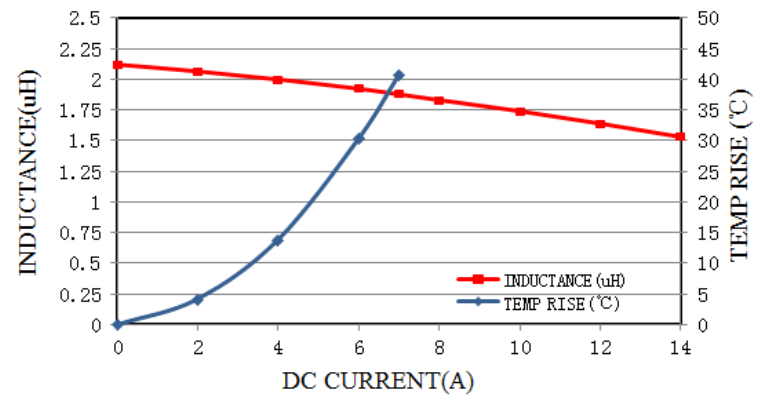
EM-20AM05V01



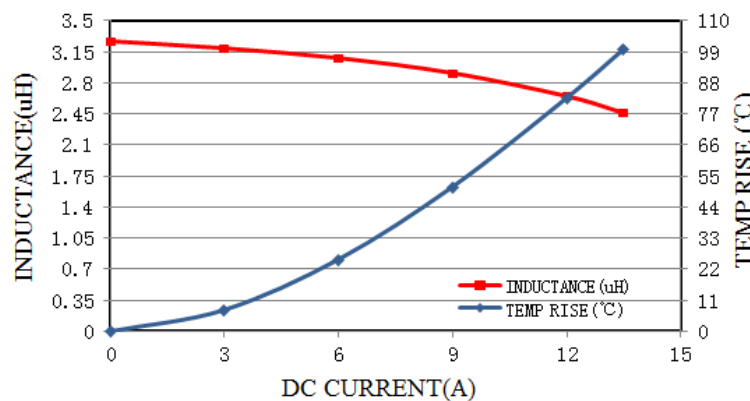
EM-22AM05V06



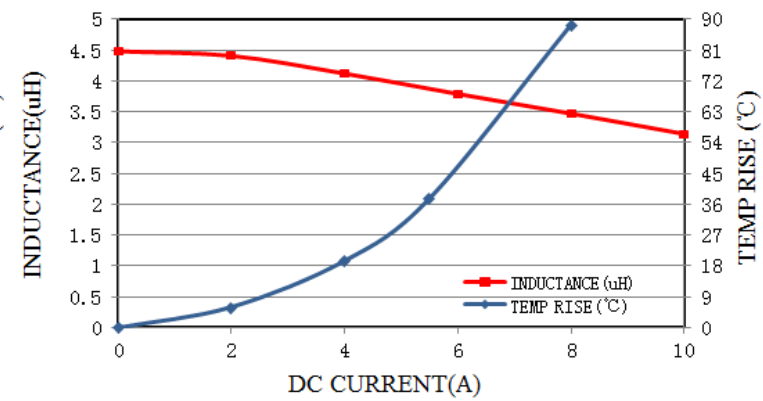
EM-25AM05V02



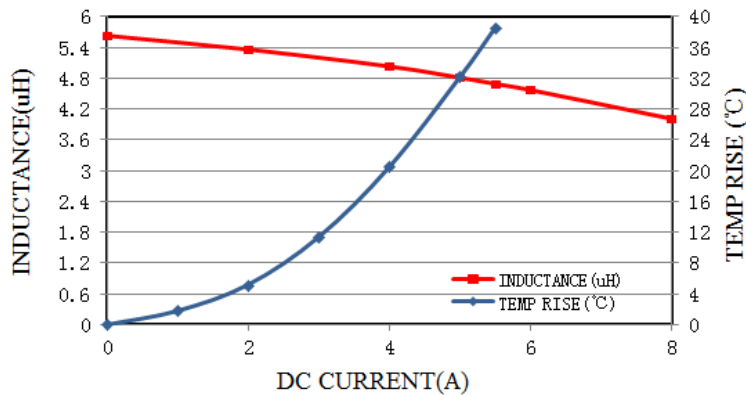
EM-33AM05V05



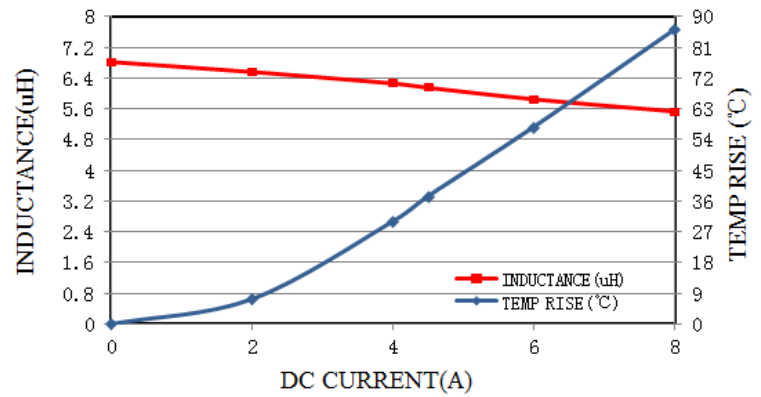
EM-47AM05V17



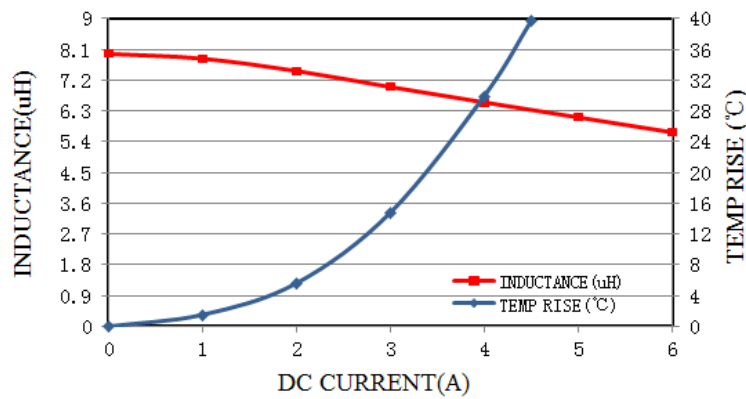
EM-56AM05V04



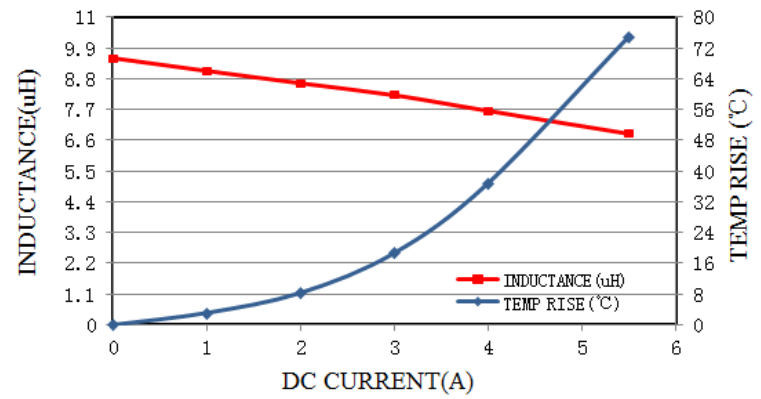
EM-68AM05V06



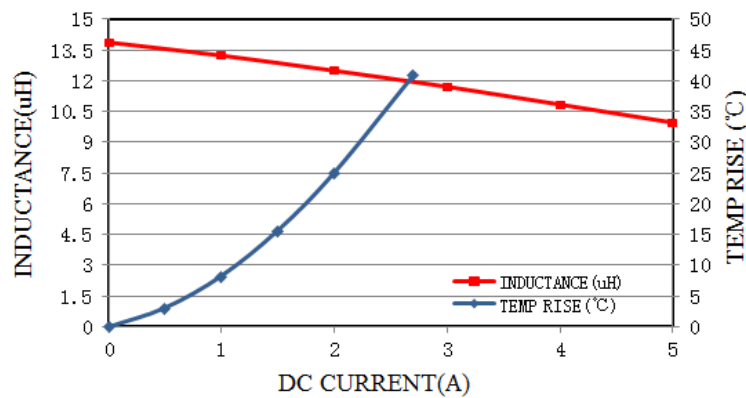
EM-82AM05V03



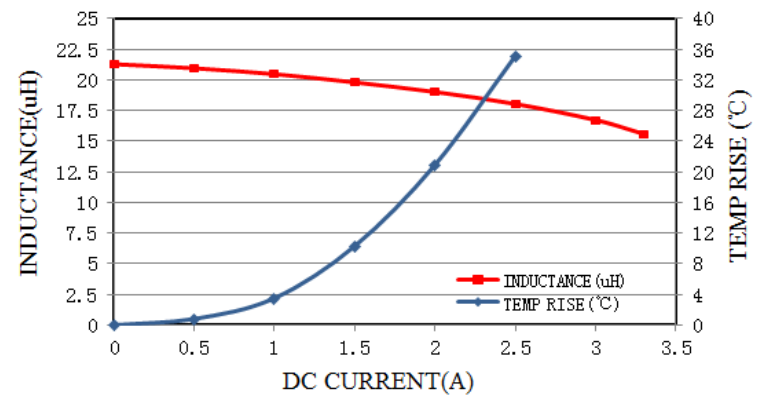
EM-100M05V05



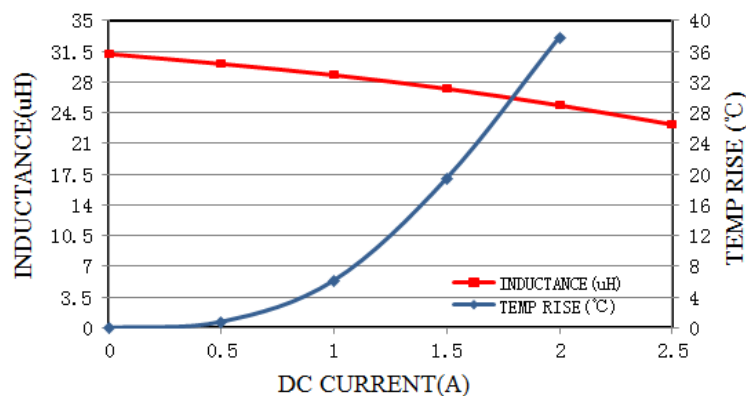
EM-150M05V01



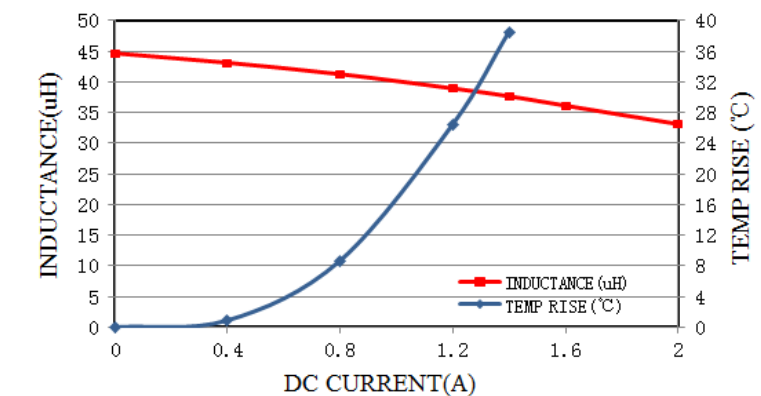
EM-220M05V03



EM-330M05V01

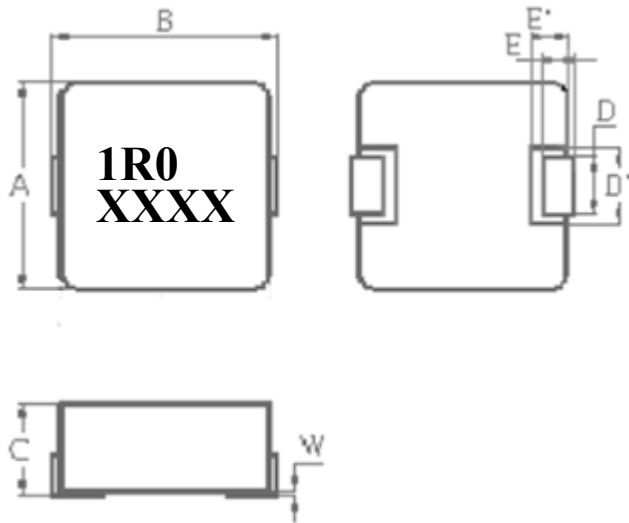


EM-470M05V01



SMD Alloy Molding Power Inductor EM-18V Series (0640):

1. CONFIGURATIONS & DIMENSIONS



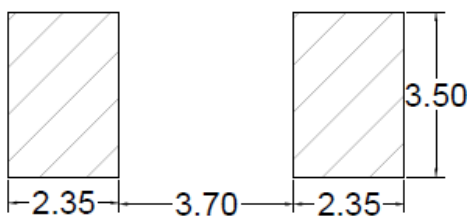
XX -XXX X XX X XX - XX

Customer name code
Internal serial No.
Material code
Dimension code
Tolerance code
Characteristic code
Series code

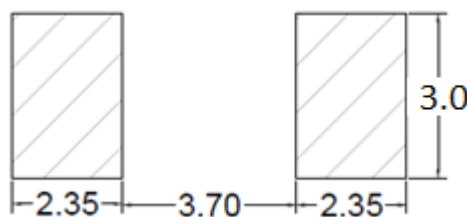
TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%

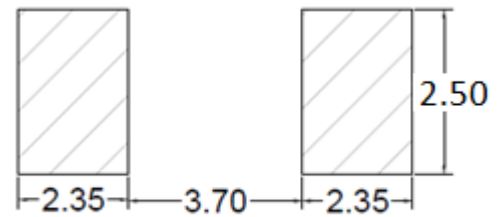
Code	Dimensions(mm)				
	R15/R19/R22/ R24/R36/4R7	1R0/1R5/2R2/ 3R3/6R8/100/ 150/220	R33/R47	R56	R40
A:	6.6±0.3				
B:	7.2±0.3				
C:	4.0MAX				
E:	1.6±0.5				
E':	2.0±0.1				
D :	3.0±0.5	3.0±0.3	2.3±0.5	2.1±0.5	2.0±0.5
D' :	3.6±0.2				
W:	0.15+0				



SUGGEST PCB PATTERN



SUGGEST PCB PATTERN



SUGGEST PCB PATTERN

2. SPECIFICATIONS

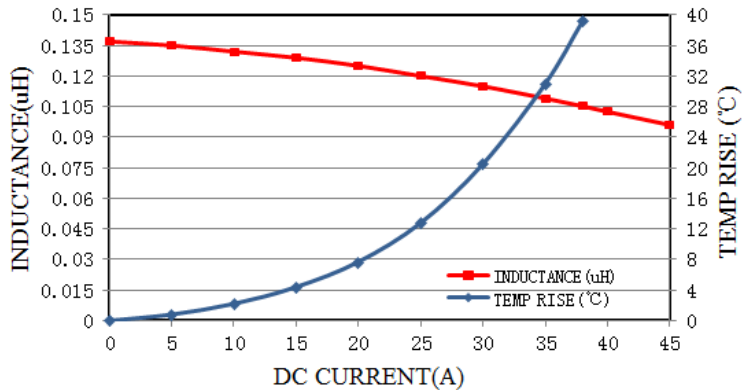
Part Number	Inductance L0(uH)± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-15BM18V06	0.15	38	45	0.72±5%
EM-19BM18V01	0.19	30	60	1.2±5%
EM-22BM18V07	0.22	32	35	0.98±10%
EM-24BM18V02	0.24	27	25	1.0±7%
EM-33BM18V04	0.33	28	30	1.75±5%
EM-36BM18V02	0.36	24	24	1.4±7%
EM-40BM18V01	0.40	19	25	1.85±10%
EM-47BM18V03	0.47	23	35	2.4±10%
EM-56BM18V03	0.56	18	35	3.3±5%
EM-10AM18V03	1.00	13	15	5.8±10%
EM-15AM18V03	1.50	16	18	8.4max
EM-22AM18V06	2.20	9	14	15max
EM-33AM18V07	3.30	10	13	20max
EM-47AM18V03	4.70	6	9	35max
EM-68AM18V02	6.80	5	8	50max
EM-100M18V01	10.00	3.9	8	70max
EM-150M18V01	15.00	3	6.5	105max
EM-220M18V01	22.00	2.5	3.8	125max

Note:

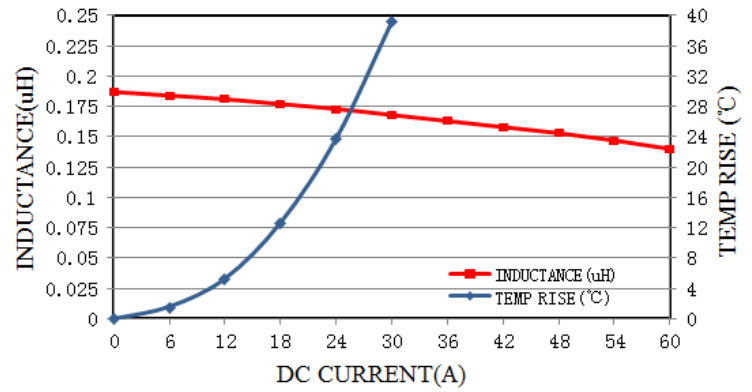
1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: ΔT 40°C approximately at Irms.
4. Saturation Rated Current: Inductance drop approximately 30% at Isat.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C~ +125°C.
8. Special inquiries besides the above common used types can be met on your requirement.

3. DC Bias Characteristics (Typical)

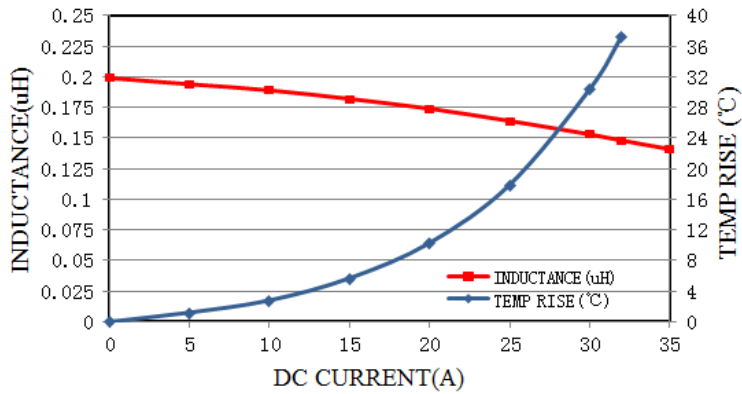
EM-15BM18V06



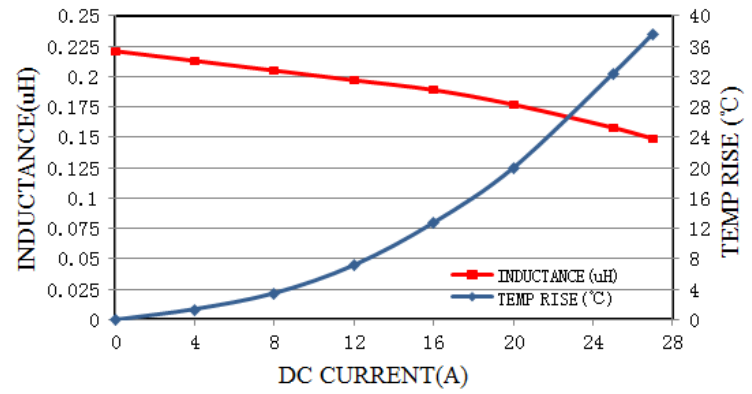
EM-19BM18V01



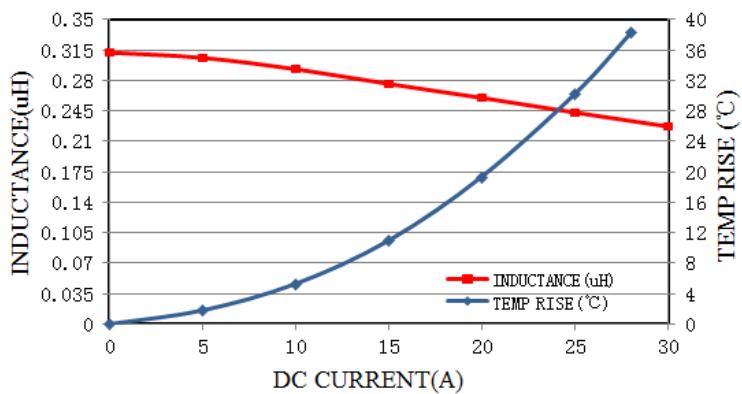
EM-22BM18V07



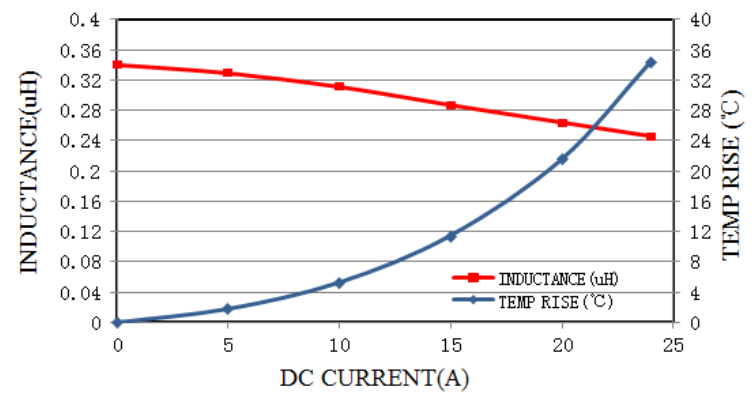
EM-24BM18V02



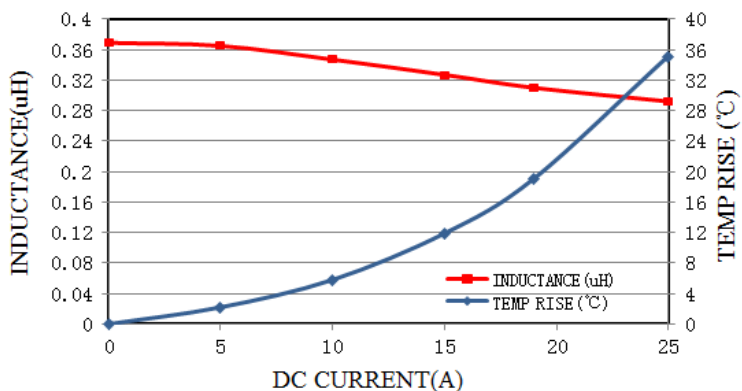
EM-33BM18V04



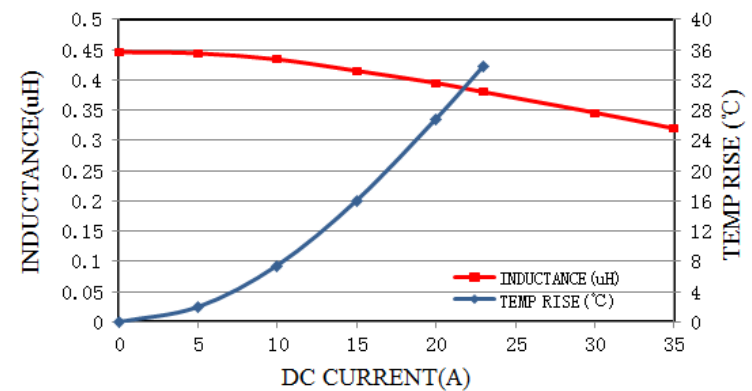
EM-36BM18V02



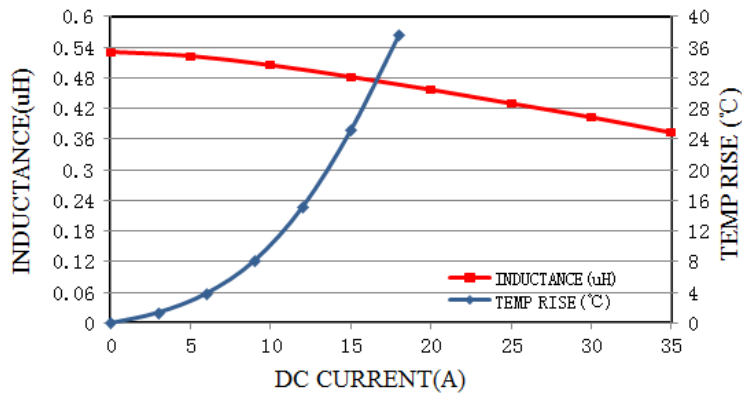
EM-40BM18V01-A1



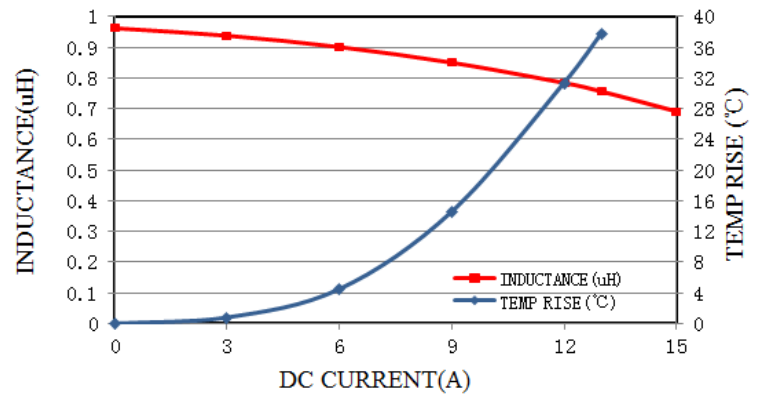
EM-47BM18V03



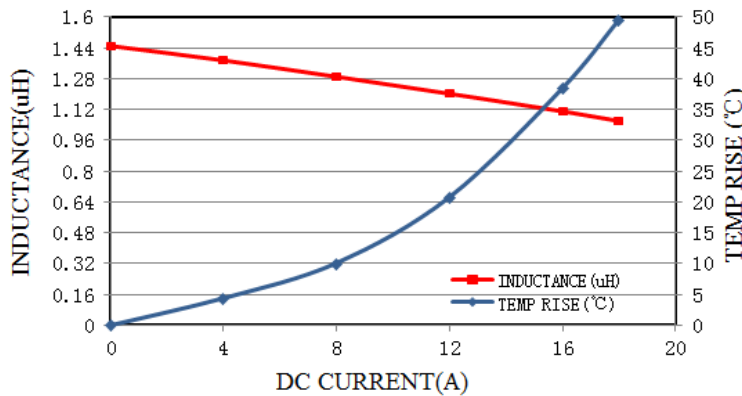
EM-56BM18V03



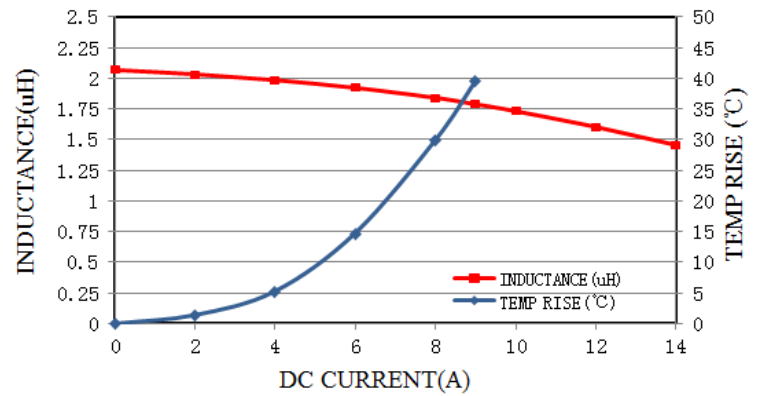
EM-10AM18V03



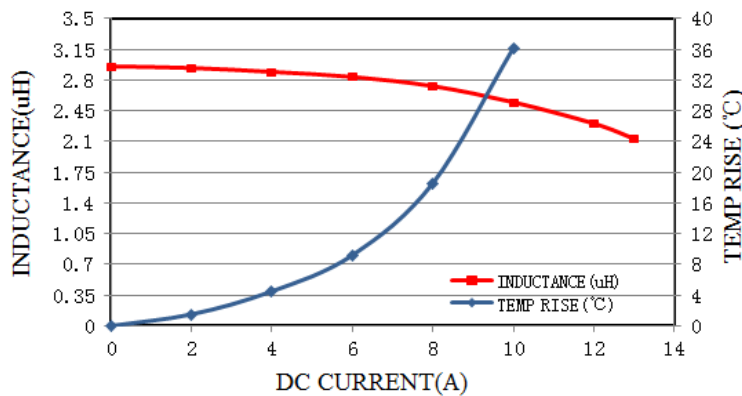
EM-15AM18V03



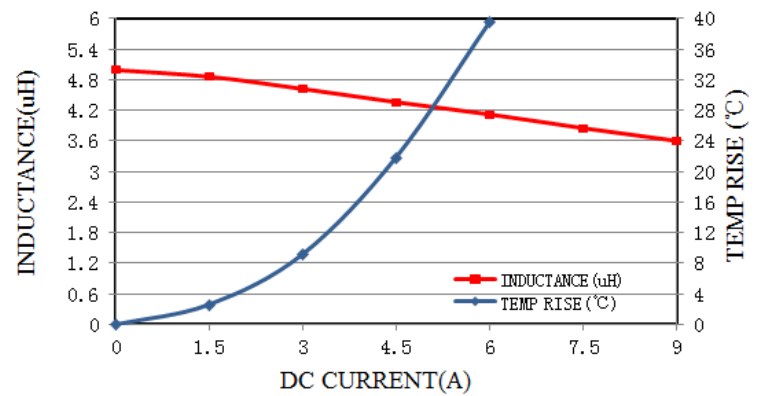
EM-22AM18V06



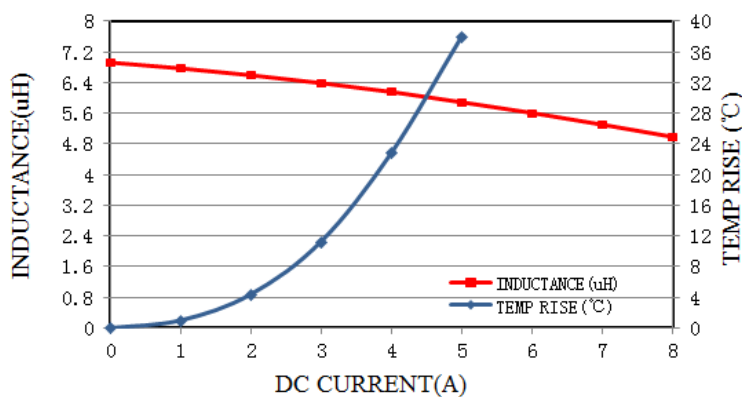
EM-33AM18V07



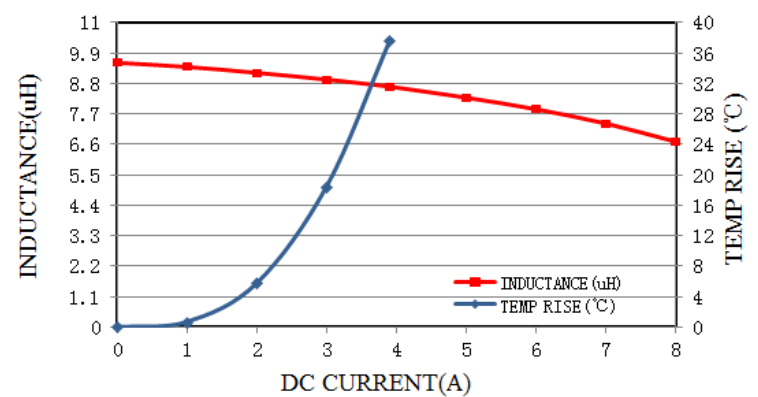
EM-47AM18V03



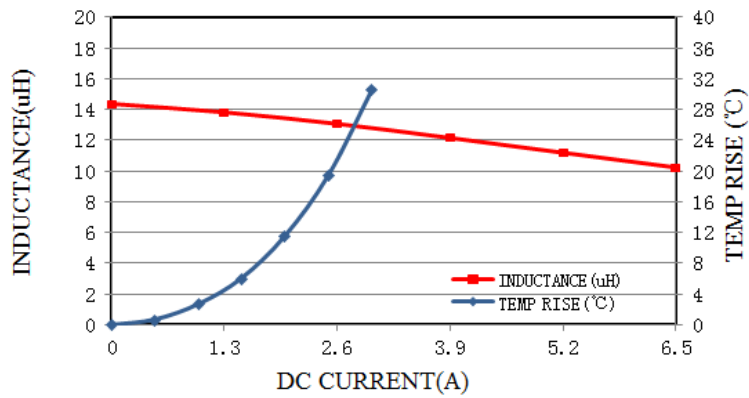
EM-68AM18V02



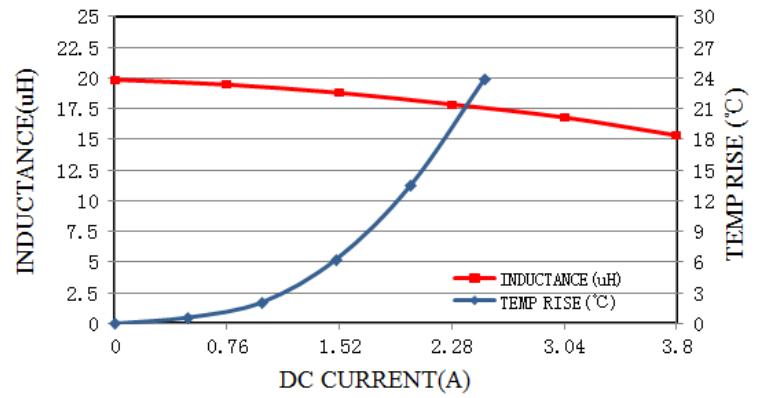
EM-100M18V01



EM-150M18V01

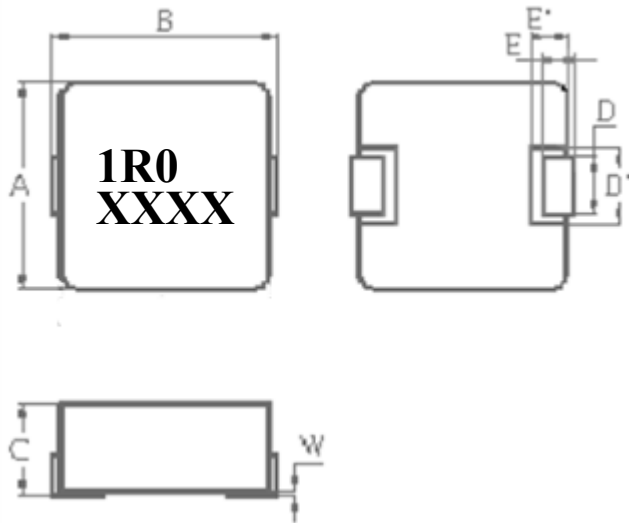


EM-220M18V01



SMD Alloy Molding Power Inductor EM-06V Series (0650):

1. CONFIGURATIONS & DIMENSIONS



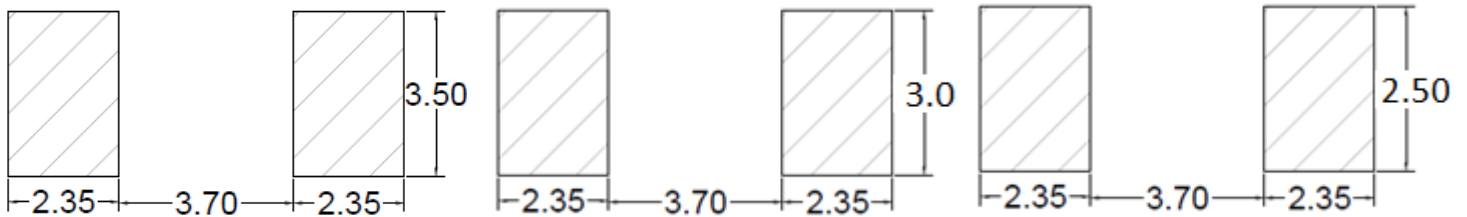
XX -XXX X XX X XX - XX

Customer name code
Internal serial No.
Material code
Dimension code
Tolerance code
Characteristic code
Series code

TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%

Code	Dimensions(mm)			
	R22/R68/R82/1R5/2R2/3R3/4R7/6R8/100/150/220/330/470	R47	R56	1R0
A:	6.6±0.3			
B:	7.2±0.3			
C:	5.0MAX			
E:	1.6±0.5			
E':	2.0±0.1			
D :	3.0±0.3	3.0±0.5	2.2±0.3	2.3±0.5
D' :	3.6±0.2			
W:	0.15+0			



SUGGEST PCB PATTERN

SUGGEST PCB PATTERN

SUGGEST PCB PATTERN

2. SPECIFICATIONS

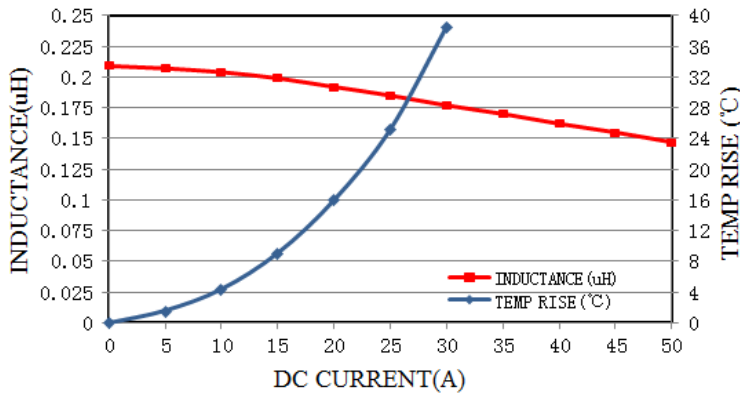
Part Number	Inductance L0(uH)± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-22BM06V02	0.22	30	50	1.6max
EM-47BM06V05	0.47	24	26	1.9±7%
EM-56BM06V02	0.56	19	22	3.2±10%
EM-68BM06V02	0.68	18	16	4.2max
EM-82BM06V03	0.82	16.5	18	4.8±10%
EM-10AM06V04	1.00	18	16	3.6±7%
EM-15AM06V01	1.50	12	12	9.0max
EM-22AM06V06	2.20	10	14	11.5max
EM-33AM06V02	3.30	5.5	5.5	14.3±10%
EM-47AM06V04	4.70	7	10	24max
EM-68AM06V02	6.80	5.2	7	45max
EM-100M06V04	10.00	4.4	7	72max
EM-150M06V03	15.00	3.5	6	95max
EM-220M06V02	22.00	3.2	4.5	120max
EM-330M06V01	33.00	2	3	200max
EM-470M06V02	47.00	2.2	2.5	240max

Note:

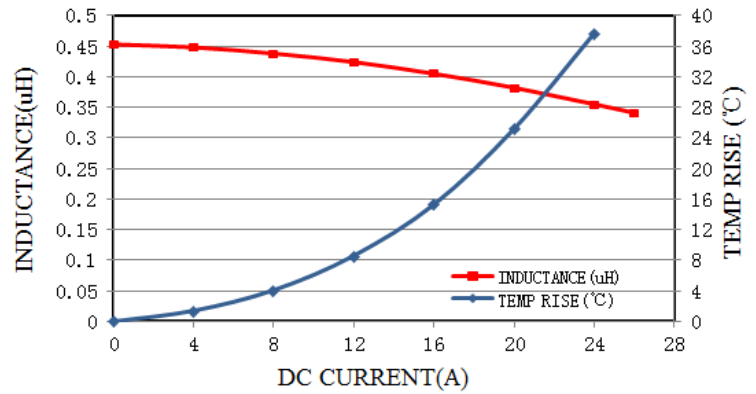
1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: ΔT 40°C approximately at Irms.
4. Saturation Rated Current: Inductance drop approximately 30% at Isat.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C~ +125°C.
8. Special inquiries besides the above common used types can be met on your requirement.

3. DC Bias Characteristics (Typical)

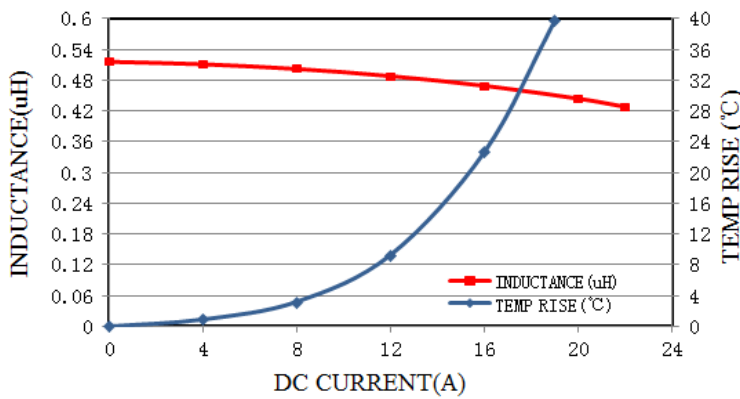
EM-22BM06V02



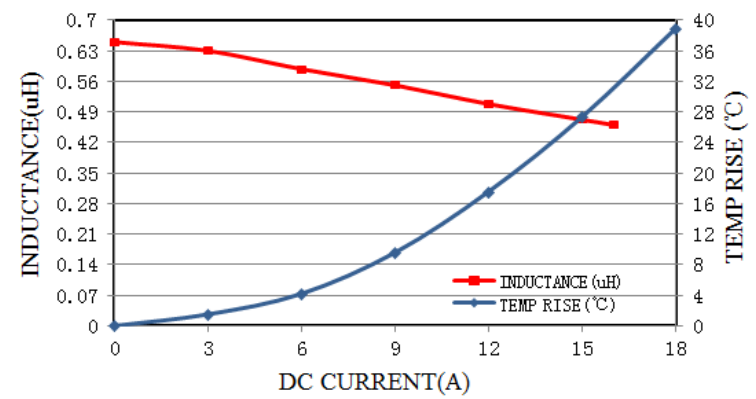
EM-47BM06V05



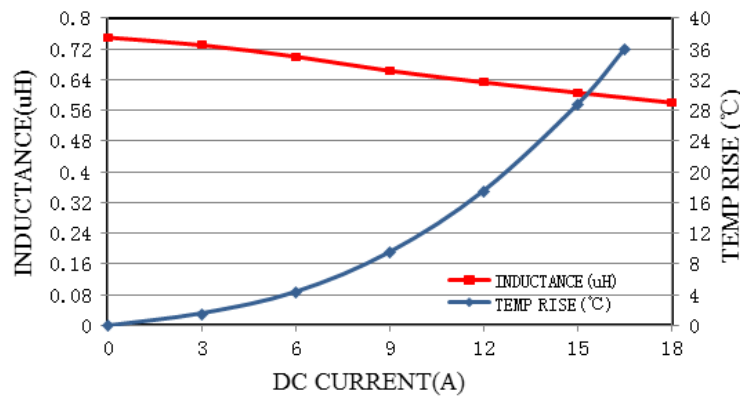
EM-56BM06V02



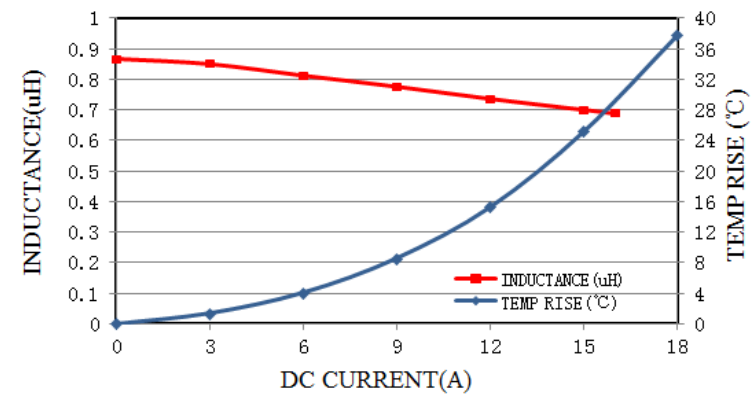
EM-68BM06V02



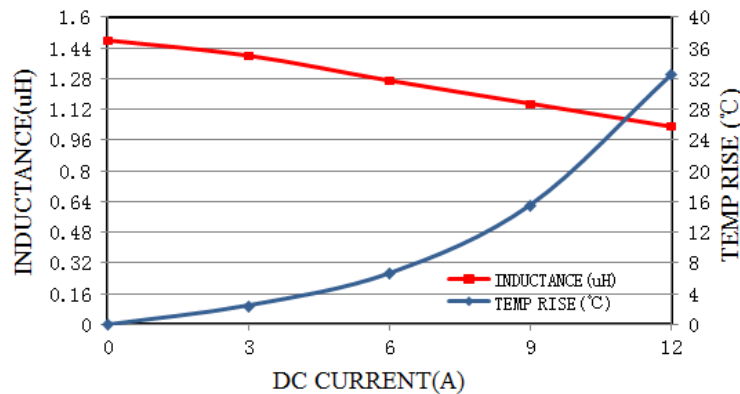
EM-82BM06V03



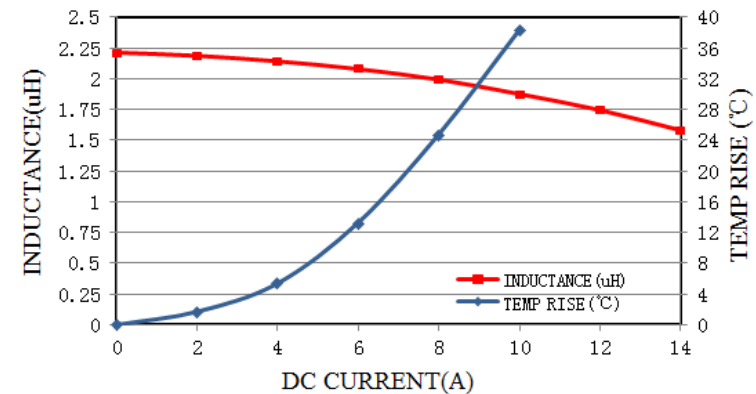
EM-10AM06V04



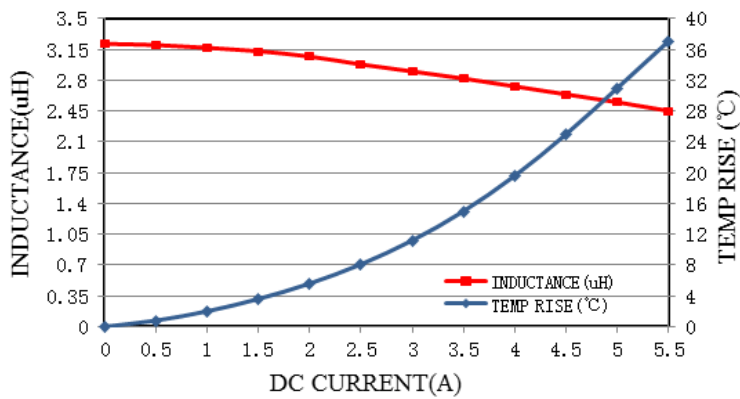
EM-15AM06V01



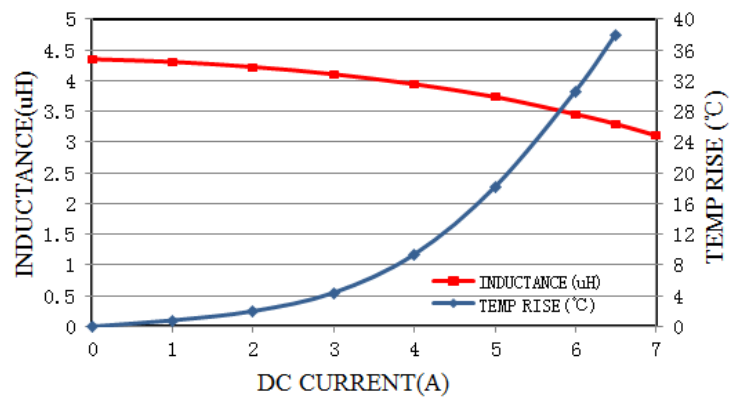
EM-22AM06V06



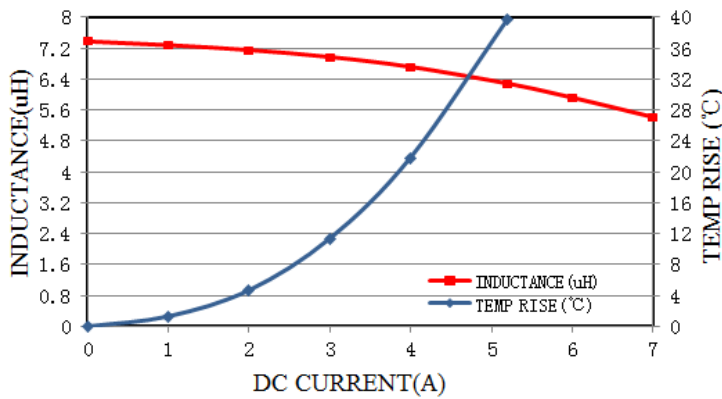
EM-33AM06V02



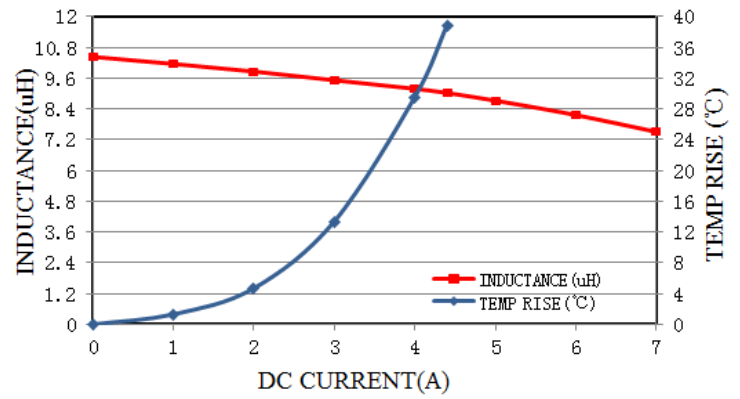
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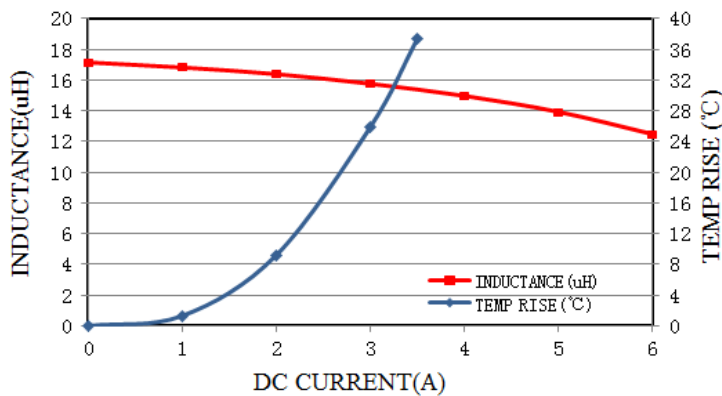
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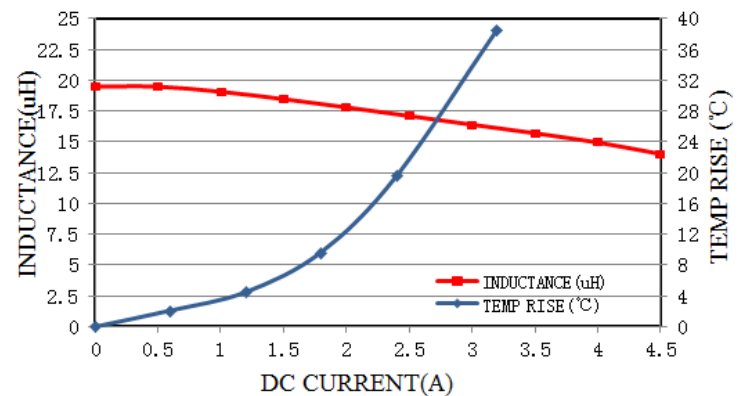
EM-100M06V04



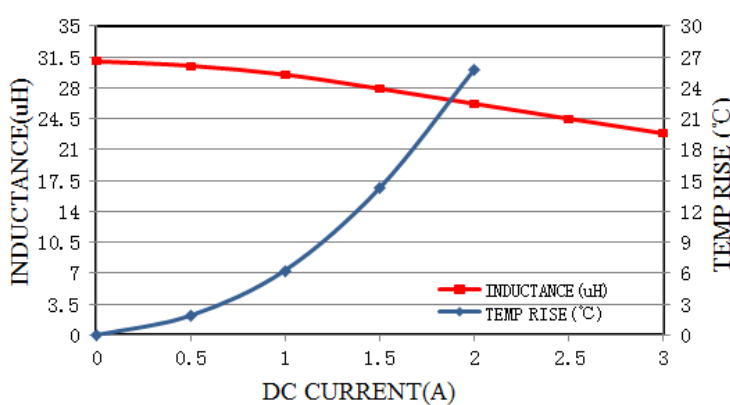
EM-150M06V03



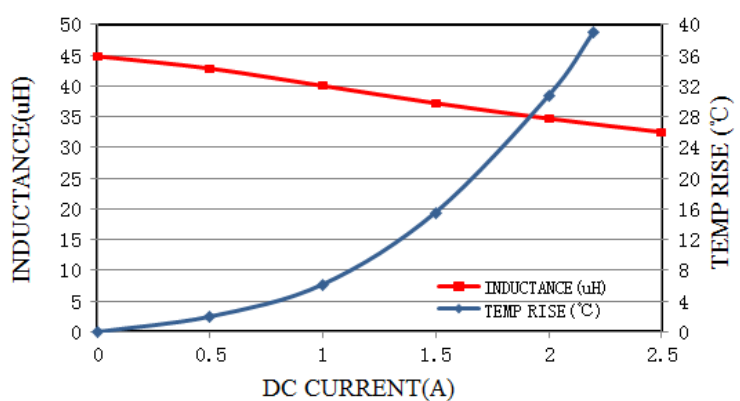
EM-220M06V02

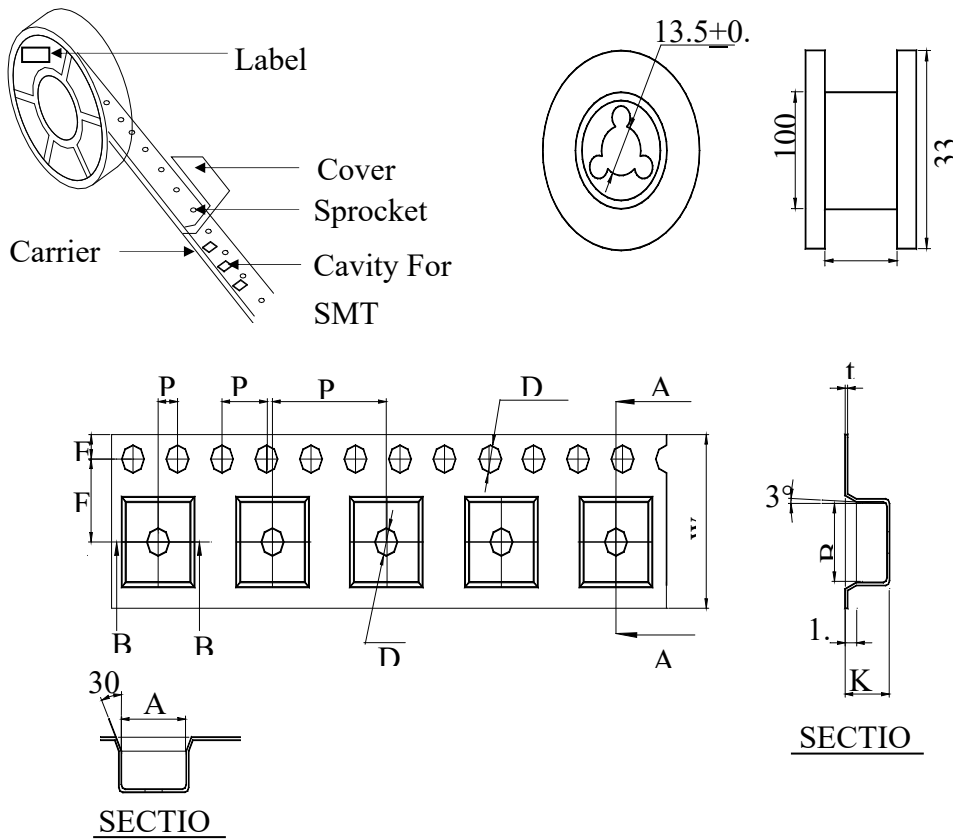


EM-330M06V01



EM-470M06V02



PACKAGING SPECIFICATION (unit: mm)


	Chip / Reel
0610/EM-74V	2000 pcs
0612/EM-33V	2000 pcs
0615/EM-29V	2000 pcs
0618/EM-03V	1000 pcs
0620/EM-28V	1000pcs
0624/EM-04V	1000pcs
0630/EM-05V	1000pcs
0640/EM-18V	1000pcs
0650/EM-06V	500pcs

	W	P	E	F	A0	B0	K0	t
0610/ EM-74V	16.0+0.10/-0.30	12.0±0.10	1.75±0.10	7.50±0.10	7.2±0.10	7.5±0.10	1.5±0.10	0.35±0.05
0612/ EM-33V	16.0+0.10/-0.30	12.0±0.10	1.75±0.10	7.50±0.10	7.2±0.10	7.5±0.10	1.5±0.10	0.35±0.05
0615/ EM-29V	16.0+0.10/-0.30	12.0±0.10	1.75±0.10	7.50±0.10	7.2±0.10	7.6±0.10	1.8±0.10	0.35±0.05
0618/ EM-03V	16.0+0.10/-0.30	12.0±0.10	1.75±0.10	7.50±0.10	7.2±0.10	7.6±0.10	2.3±0.10	0.35±0.05
0620/ EM-28V	16.0+0.10/-0.30	12.0±0.10	1.75±0.10	7.50±0.10	7.2±0.10	7.6±0.10	2.3±0.10	0.35±0.05
0624/ EM-04V	16.0+0.10/-0.30	12.0±0.10	1.75±0.10	7.50±0.10	7.2±0.10	7.8±0.10	2.7±0.10	0.35±0.05
0630/ EM-05V	16.0+0.10/-0.30	12.0±0.10	1.75±0.10	7.50±0.10	6.9±0.10	7.5±0.10	3.3±0.10	0.35±0.05
0640/ EM-18V	16.0+0.10/-0.30	12.0±0.10	1.75±0.10	7.50±0.10	7.0±0.10	7.5±0.10	4.3±0.10	0.35±0.05
0650/ EM-06V	16.0+0.10/-0.30	12.0±0.10	1.75±0.10	7.50±0.10	7.2±0.10	7.5±0.10	5.3±0.10	0.40±0.05