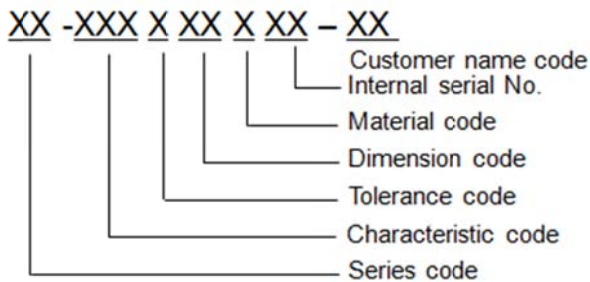
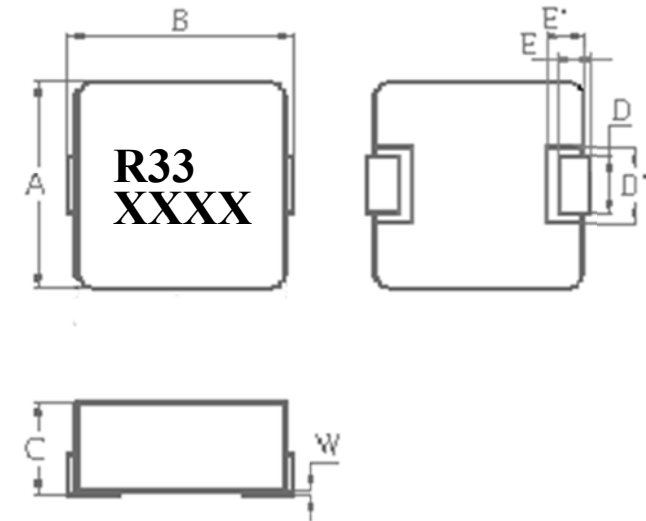


SMD Alloy Molding Power Inductor EM-46V Series (0715)

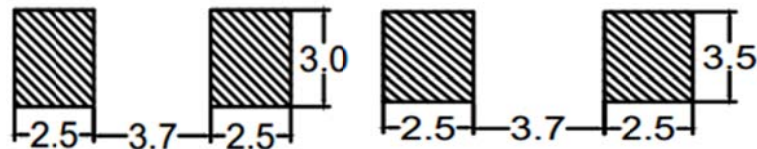
1. CONFIGURATIONS & DIMENSIONS



TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%

Code	Dimensions(mm)	
	R33	R47
A:	7.0±0.3	
B:	8.3MAX	
C:	1.5MAX	
E:	2.2±0.5	
E':	2.6±0.1	
D :	2.3±0.5	3.0±0.3
D' :	3.6±0.2	
W:	0.15±0	



SUGGEST PCB PATTERN SUGGEST PCB PATTERN

2. SPECIFICATIONS

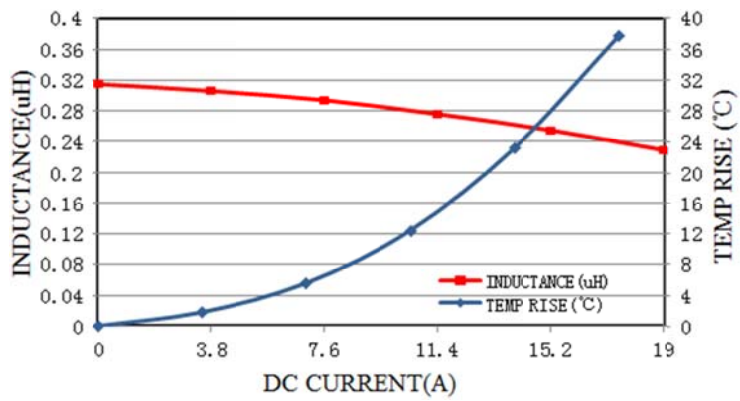
Part Number	Inductance L0(uH)± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-33BM46V01	0.33	17.5	19	3.3±5%
EM-47BM46V01	0.47	10	15	6.5±10%

Note:

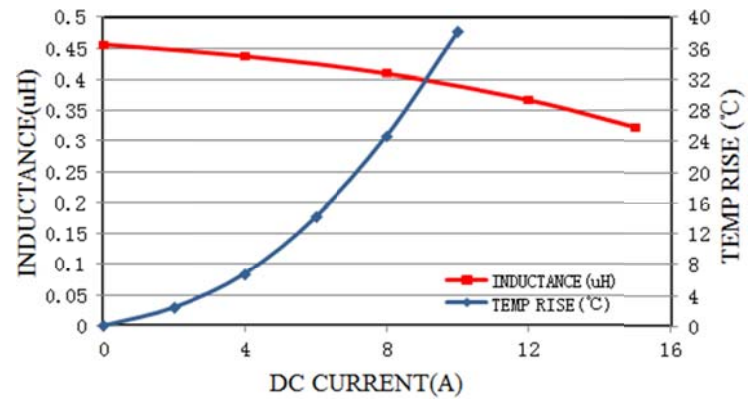
1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: ΔT 40°C approximately at I_{rms}.
4. Saturation Rated Current: Inductance drop approximately 30% at I_{sat}.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C~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

3. DC Bias Characteristics (Typical)

EM-33BM46V01

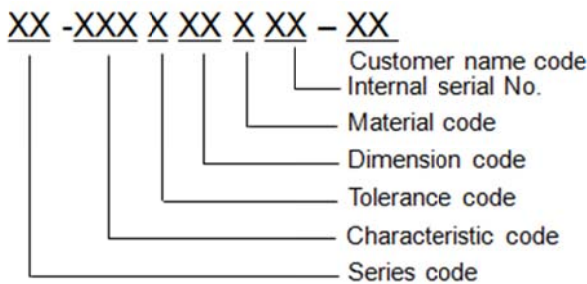
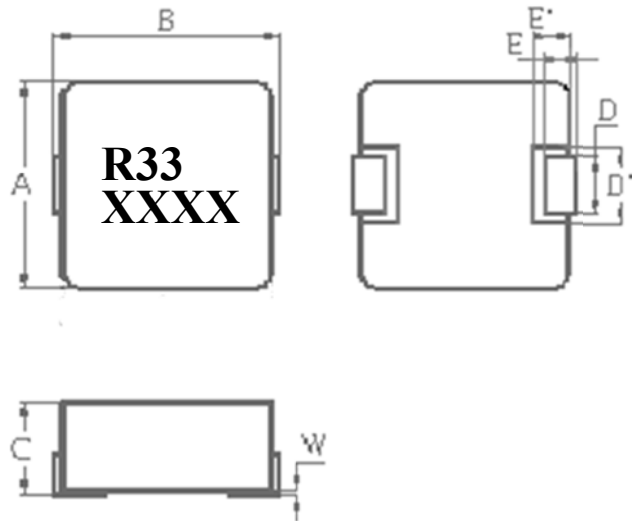


EM-47BM46V01



SMD Alloy Molding Power Inductor EM-44V Series (0720)

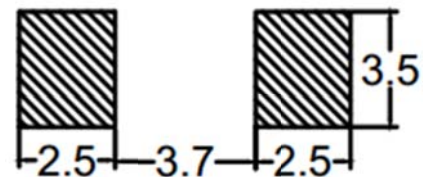
1. CONFIGURATIONS & DIMENSIONS



TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%

Code	Dimensions(mm)
A:	7.0±0.3
B:	7.7±0.3
C:	2.0MAX
E:	1.6±0.3
E':	2.0±0.1
D :	3.0±0.3
D' :	3.6±0.2
W:	0.15+0



SUGGEST PCB PATTERN

2. SPECIFICATIONS

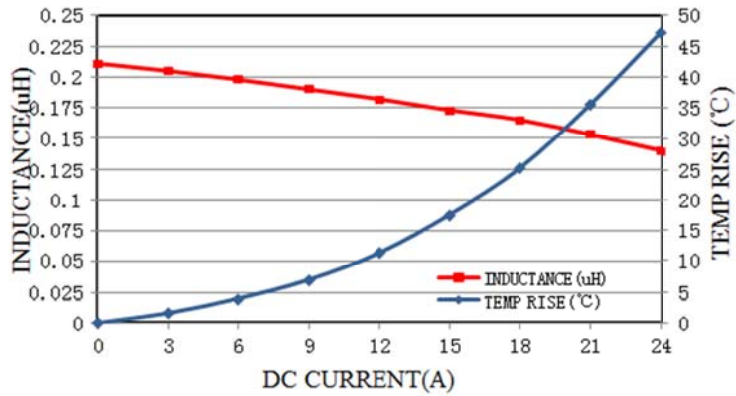
Part Number	Inductance L0(uH)± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-20BM44V01	0.20	21	21	2.2±10%
EM-33BM44V01	0.33	20	23	3.3max
EM-22AM44V01	2.20	6.5	10	32max

Note:

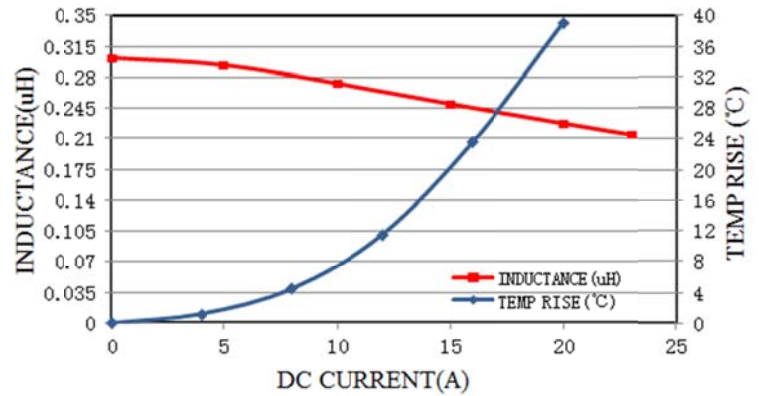
- Test frequency: L: 100 KHz /1.0v.
- All test data referenced to 25°C ambient.
- Temperature Rise Current: ΔT 40°C approximately at Irms.
- Saturation Rated Current: Inductance drop approximately 30% at Isat.
- Storage temp.: -40°C ~ 85°C.
- Storage R.H: 20% ~ 75%.
- Operating temp.: -55°C~ +125°C.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

3. DC Bias Characteristics (Typical)

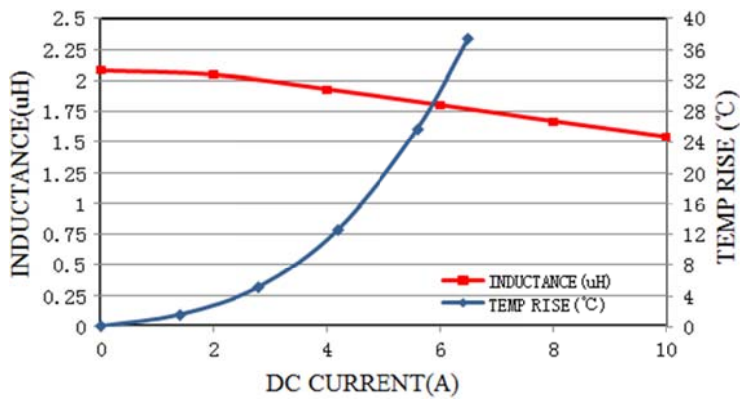
EM-20BM44V01



EM-33BM44V01



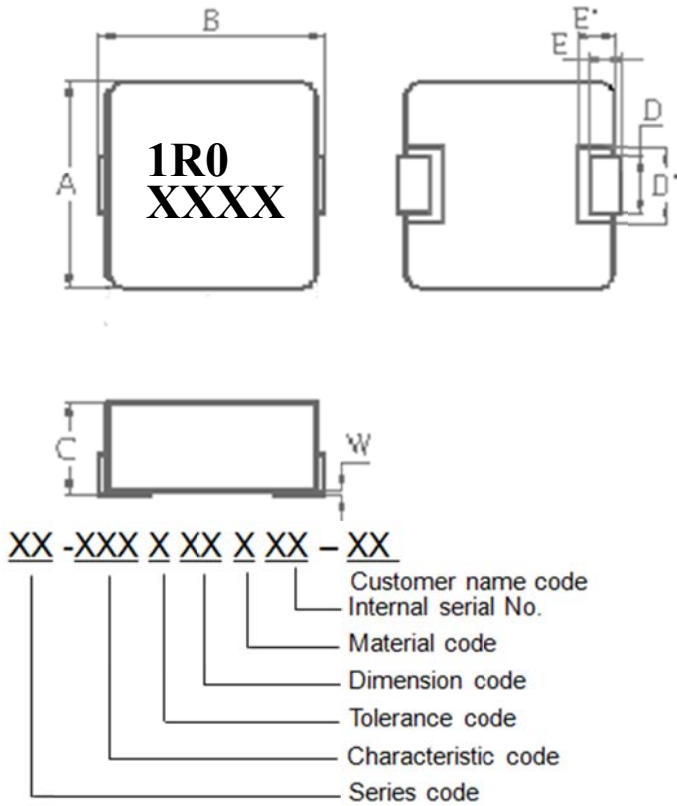
EM-22AM44V01



EM-30BM22V01

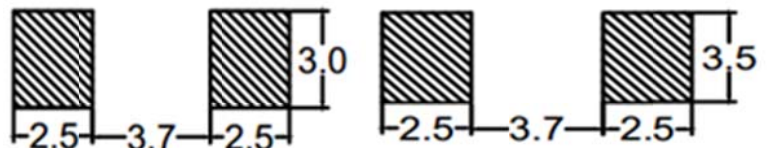
SMD Alloy Molding Power Inductor EM-64V Series (0724)

1. CONFIGURATIONS & DIMENSIONS



TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%



SUGGEST PCB PATTERN SUGGEST PCB PATTERN

Code	Dimensions(mm)	
	R16	R47/1R0/ 1R5/4R7
A:	7.0±0.3	
B:	8.3MAX	
C:	2.4MAX	
E:	1.6±0.3	
E':	2.0±0.1	
D :	2.3±0.3	3.0±0.3
D' :	3.6±0.2	
W:	0.15±0	

2. SPECIFICATIONS

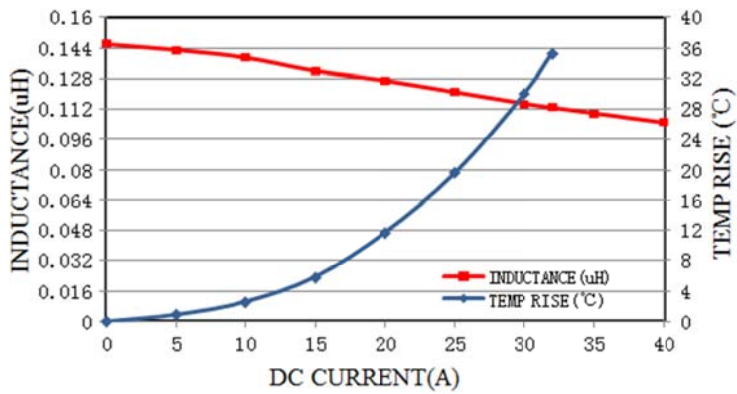
Part Number	Inductance L0(uH)± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-16BM64V01	0.16	32	40	1.3±10%
EM-47BM64V01	0.47	16	20	5.0max
EM-10AM64V01	1.00	10.5	18	10max
EM-15AM64V01	1.50	9	16	15max
EM-47AM64V02	4.70	5.5	6.5	40max

Note:

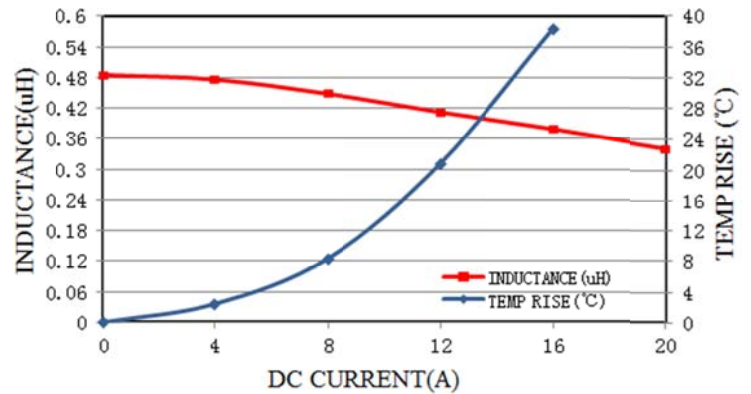
1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: ΔT 40°C approximately at Irms.
4. Saturation Rated Current: Inductance drop approximately 30% at Isat.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C~ +125°C.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

3. DC Bias Characteristics (Typical)

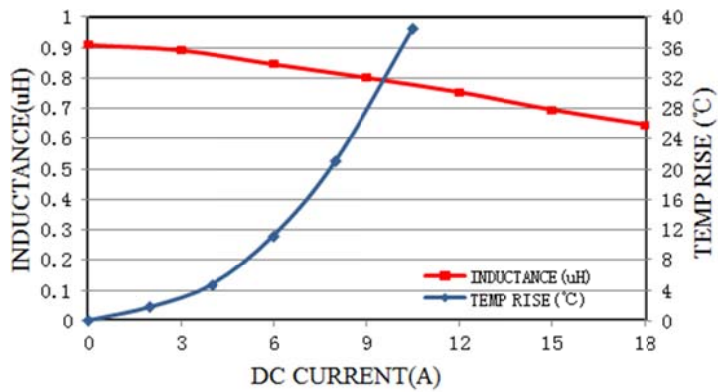
EM-16BM64V01



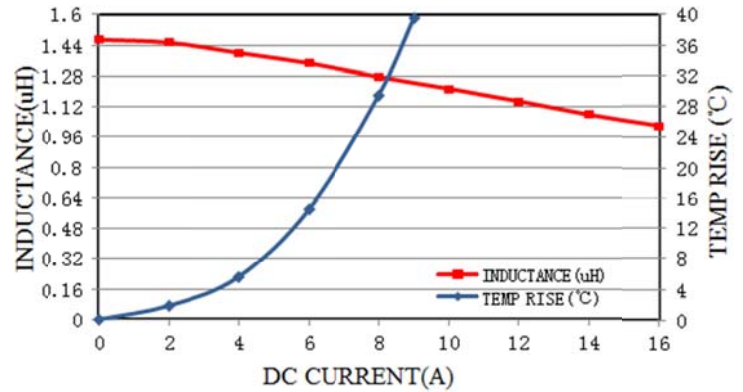
EM-47BM64V01



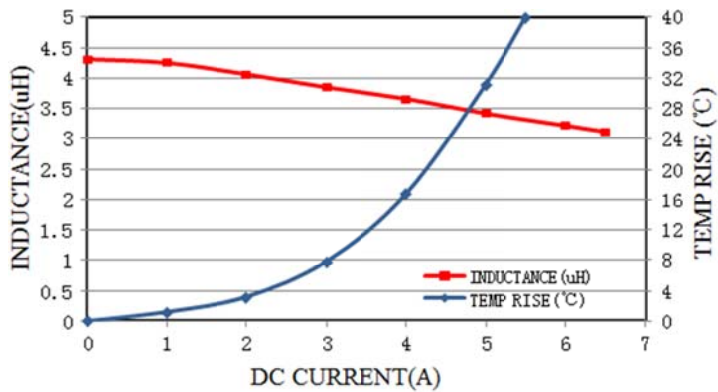
EM-10AM64V01



EM-15AM64V01

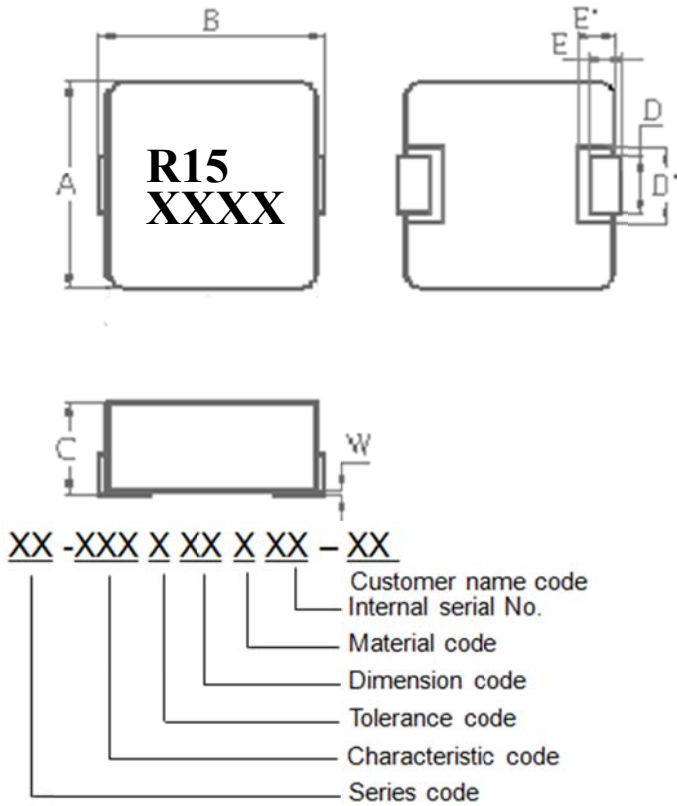


EM-47AM64V02



SMD Alloy Molding Power Inductor EM-52V Series (0730)

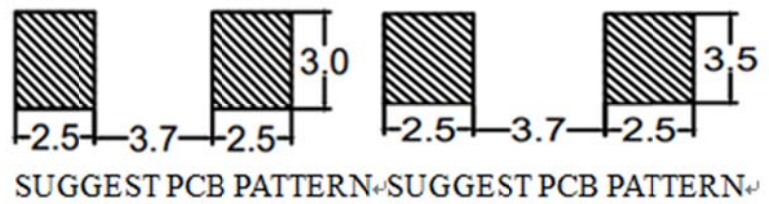
1. CONFIGURATIONS & DIMENSIONS



TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%

Code	Dimensions(mm)	
	R36	R15/220
A:	7.0±0.3	
B:	8.0±0.3	
C:	3.0MAX	
E:	1.6±0.5	
E':	2.0±0.1	
D :	2.3±0.3	3.0±0.3
D' :	3.6±0.2	
W:	0.15±0	



2. SPECIFICATIONS

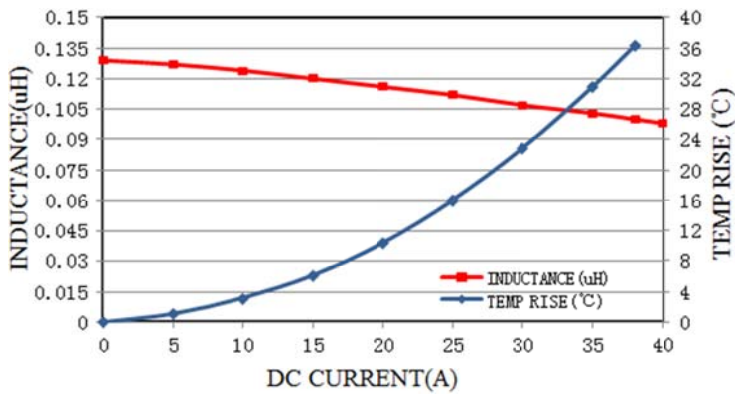
Part Number	Inductance L0(uH)± 20%@0A	I _{rms} (A) typ	I _{sat} (A) typ	DCR(mΩ) @25°C
EM-15BM52V01	0.15	38	40	0.66±7%
EM-36BM52V01	0.36	25	30	2.2max
EM-220M52V01	22.00	2.5	4	180max

Note:

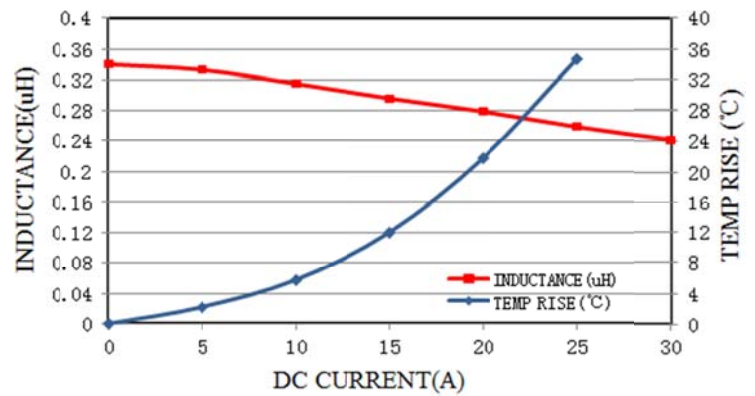
1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: ΔT 40°C approximately at I_{rms}.
4. Saturation Rated Current: Inductance drop approximately 30% at I_{sat}.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C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

3. DC Bias Characteristics (Typical)

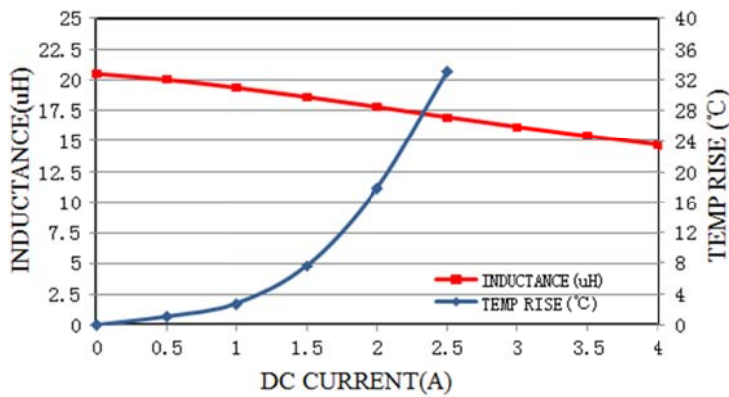
EM-15BM52V01



EM-36BM52V01

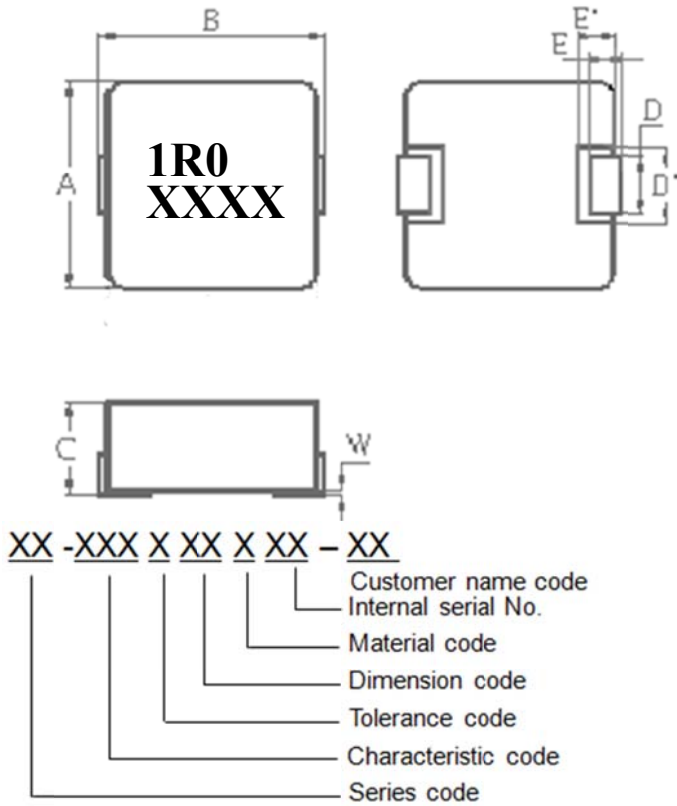


EM-220M52V01



SMD Alloy Molding Power Inductor EM-35V Series (0740)

1. CONFIGURATIONS & DIMENSIONS

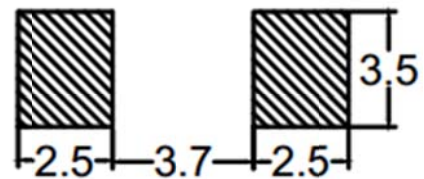


TOLERANCE CODE:

J:±5% K:±10% L:±15%

M:±20% N:±30%

Code	Dimensions(mm)	
	R15/R24/ R33/R42	1R0
A:	7.0±0.3	
B:	8.7MAX	
C:	4.0MAX	
E:	1.6±0.5	
E':	2.0±0.1	
D :	3.0±0.5	3.0±0.3
D' :	3.6±0.2	
W:	0.15±0	



SUGGEST PCB PATTERN

2. SPECIFICATIONS

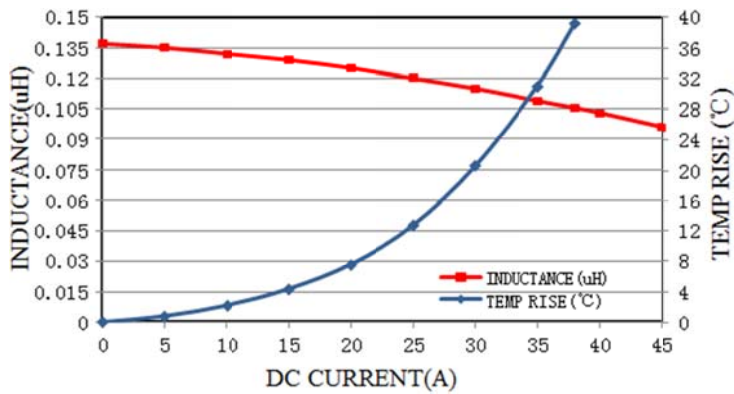
Part Number	Inductance L0(uH)± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-15BM35V02	0.15	38	45	0.72±5%
EM-24BM35V01	0.24	32	32	1.0±5%
EM-33BM35V02	0.33	25	32	1.7max
EM-42BM35V01	0.42	25	26	1.55±10%
EM-10AM35V01	1.00	15	20	6.0max

Note:

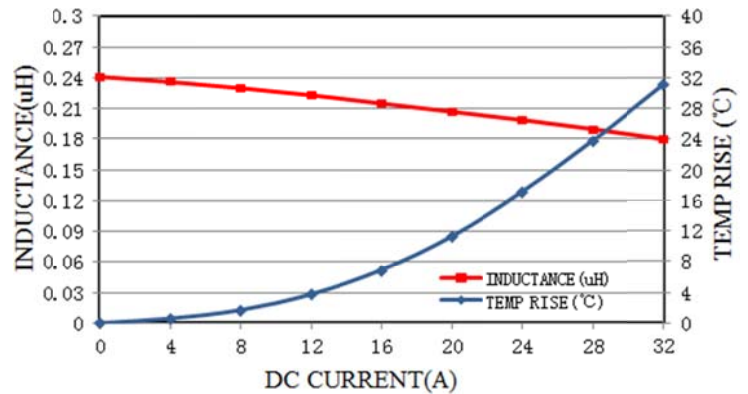
1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: ΔT 40°C approximately at I_{rms}.
4. Saturation Rated Current: Inductance drop approximately 30% at I_{sat}.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C~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

3. DC Bias Characteristics (Typical)

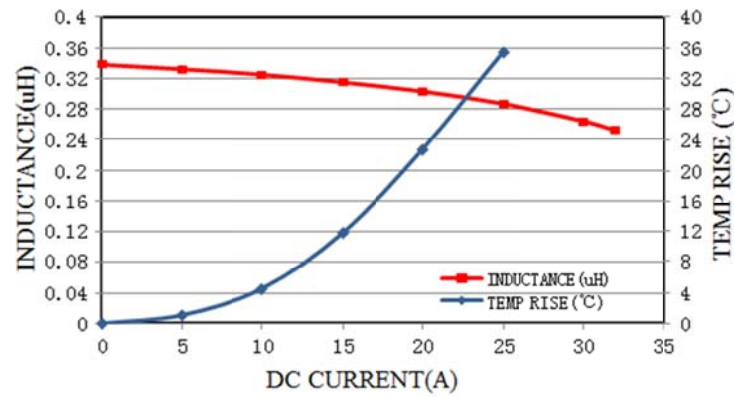
EM-15BM35V02



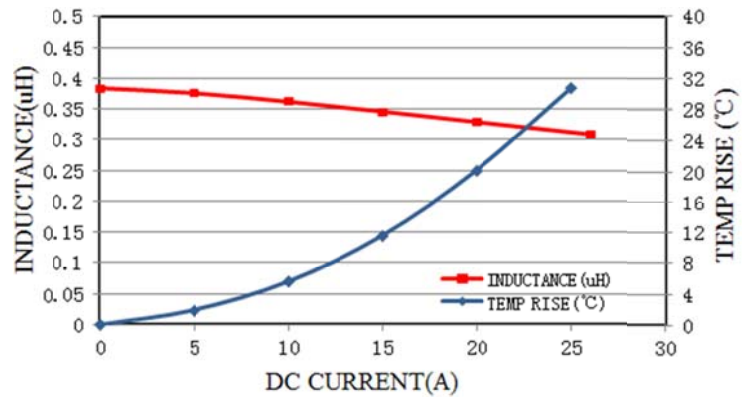
EM-24BM35V01



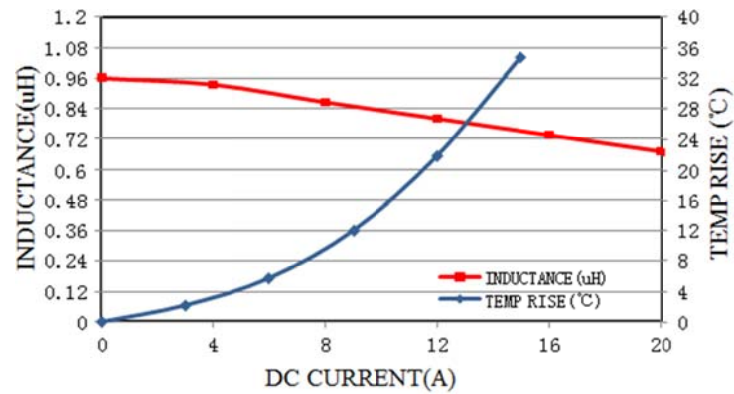
EM-33BM35V02



EM-42BM35V01

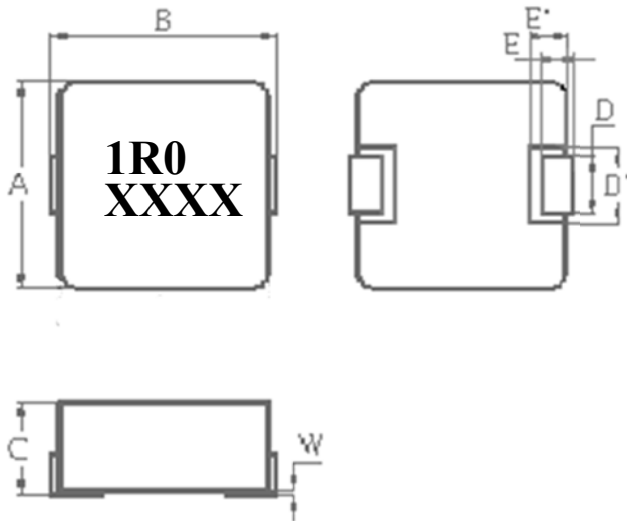


EM-10AM35V01



SMD Alloy Molding Power Inductor EM-34V Series (0750)

1. CONFIGURATIONS & DIMENSIONS



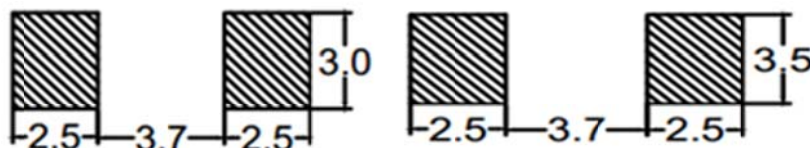
XX -XXX X XX X XX - XX

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/R22	R39/1R5/2R2/3R3	R33/R36/R82/1R0//4R9/6R8/150	R47
A:	7.0±0.3			
B:	8.3MAX			
C:	5.0MAX			
E:	1.6±0.5		2.2±0.5	
E':	2.0±0.1		2.6±0.1	
D:	3.0±0.5	3.0±0.3	3.0±0.3	2.5±0.3
D':	3.6±0.2			
W:	0.15+0			



SUGGEST PCB PATTERN SUGGEST PCB PATTERN

2. SPECIFICATIONS

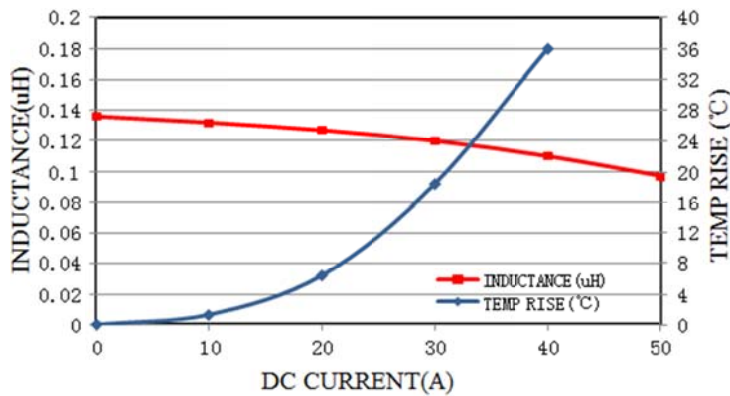
Part Number	Inductance L0(uH) ± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-15BM34V02	0.15	40	50	0.68 ± 7%
EM-22BM34V01	0.22	32	45	1.02 ± 7%
EM-33BM34V02	0.33	30	43	1.25 ± 10%
EM-36BM34V01	0.36	30	38	1.3 ± 10%
EM-39BM34V01	0.39	21	30	2.6max
EM-47BM34V03	0.47	24	31	2.1max
EM-82BM34V02	0.82	14	14	3.8 ± 10%
EM-10AM34V01	1.00	19	19	3.8 ± 12%
EM-15AM34V02	1.50	13	14	7.5max
EM-22AM34V02	2.20	10.5	13	10max
EM-33AM34V01	3.30	10	11	12 ± 10%
EM-49AM34V01	4.90	7.5	6.5	16.5max
EM-68AM34V01	6.80	4	4	23.5 ± 12%
EM-150M34V01	15.00	4	5	69max

Note:

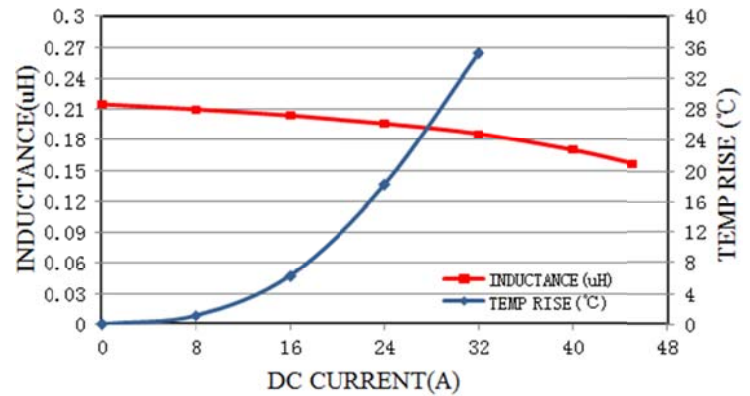
1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: ΔT 40°C approximately at Irms.
4. Saturation Rated Current: Inductance drop approximately 30% at Isat.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C ~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

3. DC Bias Characteristics (Typical)

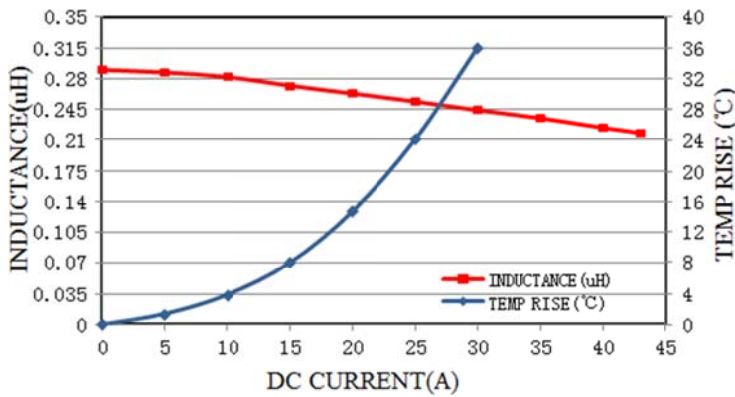
EM-15BM34V02



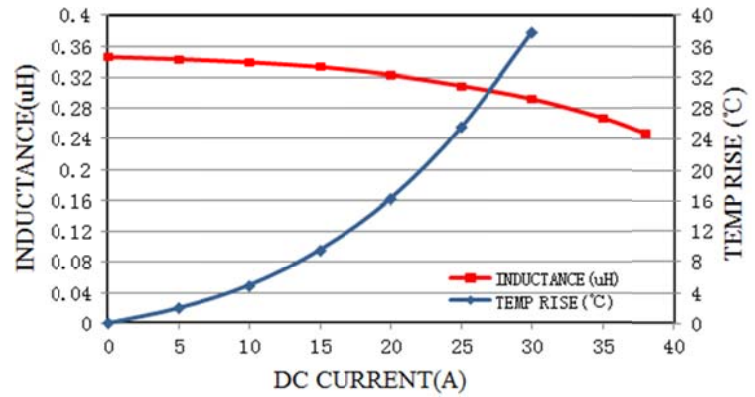
EM-22BM34V01



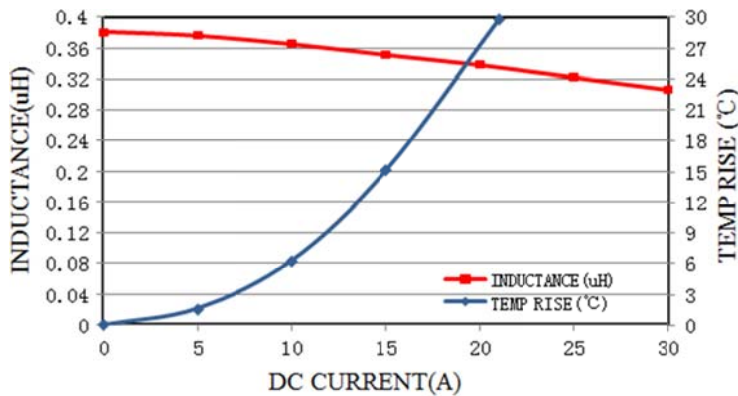
EM-33BM34V02



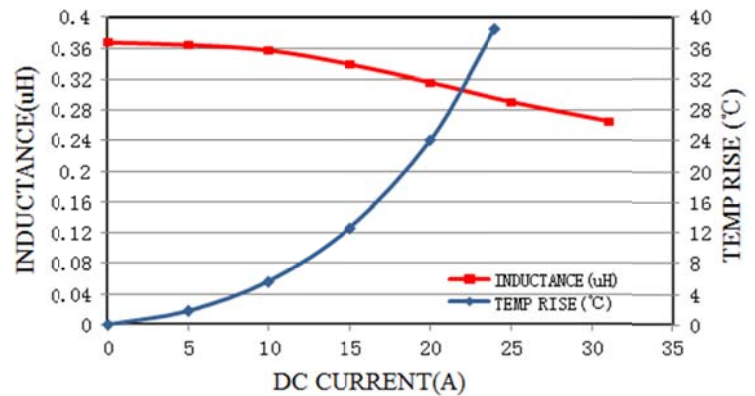
EM-36BM34V01



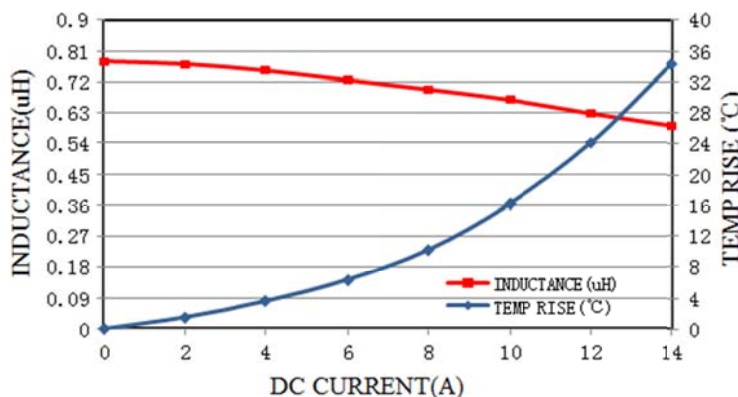
EM-39BM34V01



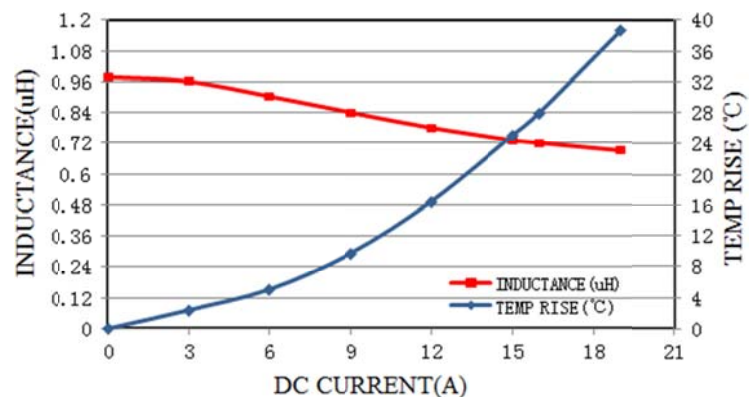
EM-47BM34V03



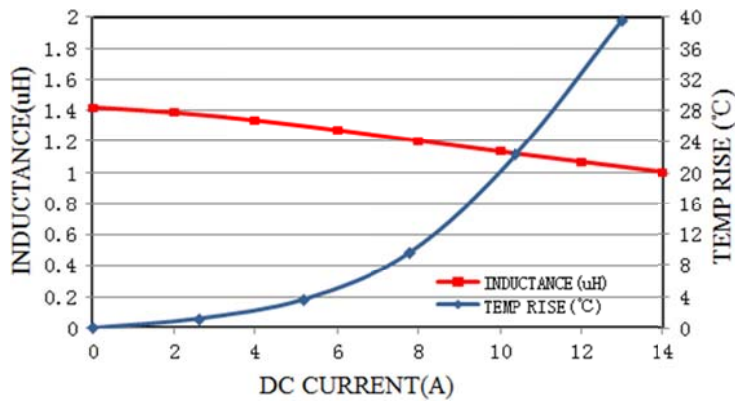
EM-82BM34V02



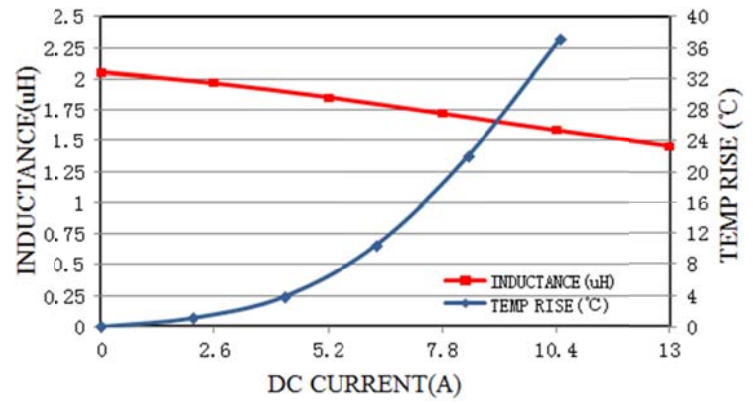
EM-10AM34V01



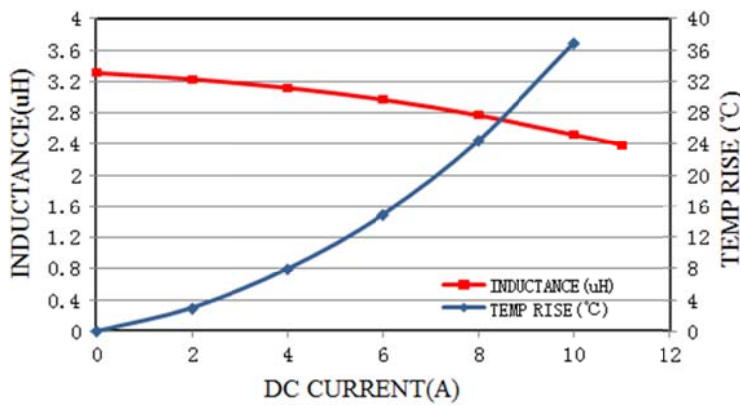
EM-15AM34V02



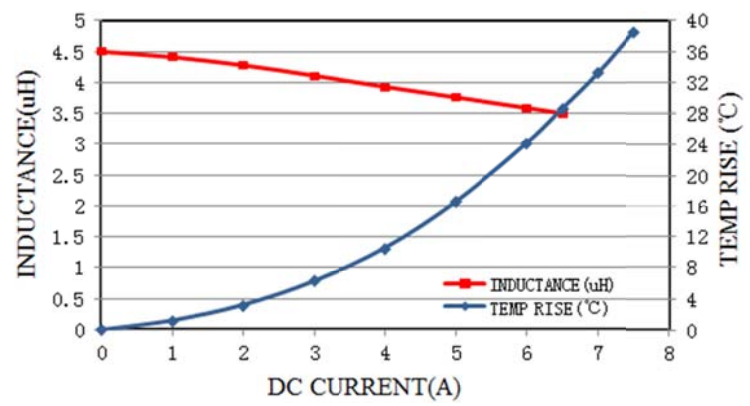
EM-22AM34V02



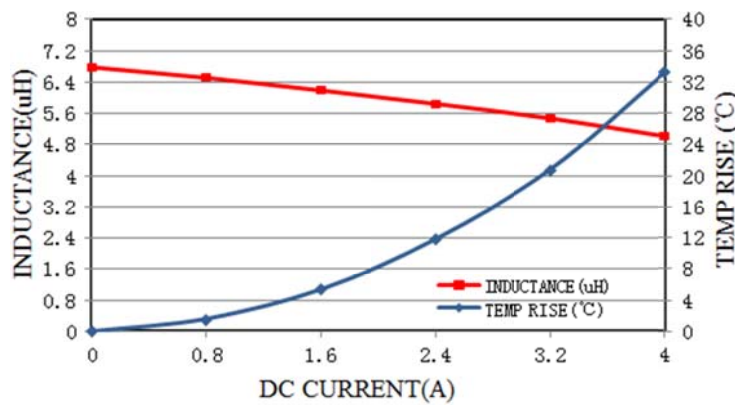
EM-33AM34V01



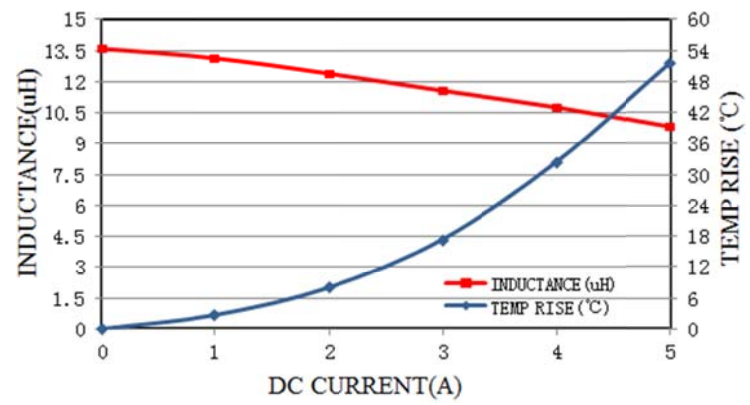
EM-49AM34V01

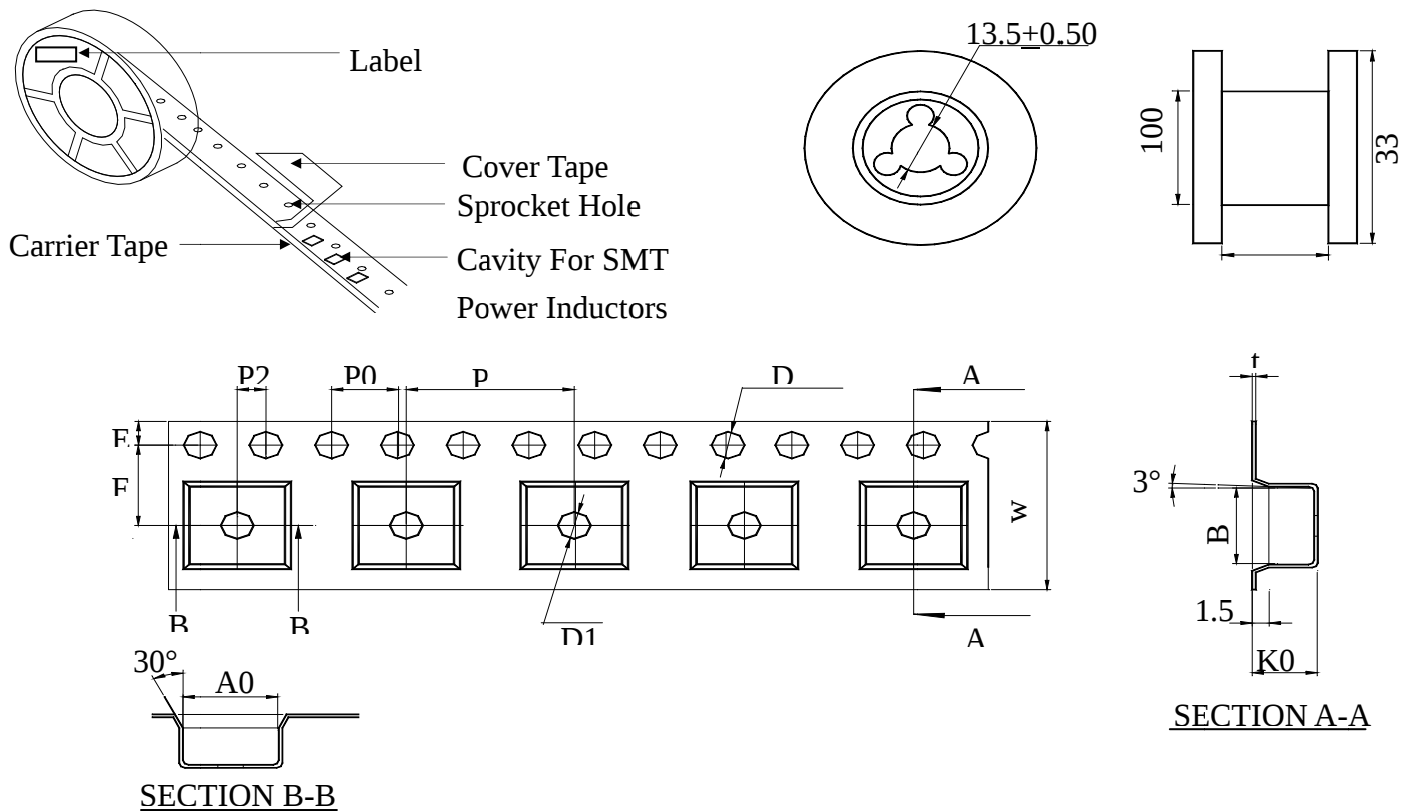


EM-68AM34V01



EM-150M34V01



PACKAGING SPECIFICATION FOR SMD POWER INDUCTORS (unit: mm)


Series	W	P	E	F	A0	B0	K0	t
0715/ EM-46V	16.0+0.10/-0.30	12.0±0.10	1.75±0.10	7.50±0.10	7.3±0.10	8.4±0.10	1.8±0.10	0.35±0.05
0720/ EM-44V	16.0+0.10/-0.30	12.0±0.10	1.75±0.10	7.50±0.10	7.3±0.10	8.4±0.10	2.4±0.10	0.35±0.05
0724/ EM-64V	16.0+0.10/-0.30	12.0±0.10	1.75±0.10	7.50±0.10	7.4±0.10	8.4±0.10	2.7±0.10	0.35±0.05
0730/ EM-52V	16.0+0.10/-0.30	12.0±0.10	1.75±0.10	7.50±0.10	7.4±0.10	8.4±0.10	3.3±0.10	0.35±0.05
0740/ EM-35V	16.0+0.10/-0.30	12.0±0.10	1.75±0.10	7.50±0.10	7.4±0.10	8.45±0.10	4.4±0.10	0.35±0.05
0750/ EM-34V	16.0+0.10/-0.30	12.0±0.10	1.75±0.10	7.50±0.10	7.3±0.10	8.4±0.10	5.5±0.10	0.35±0.05

Series	Chip / Reel
0715/EM-46V	2000 pcs
0720/EM-44V	1500 pcs
0724/EM-64V	1500 pcs
0730/EM-52V	1000 pcs
0740/EM-35V	1000pcs
0750/EM-34V	500pcs