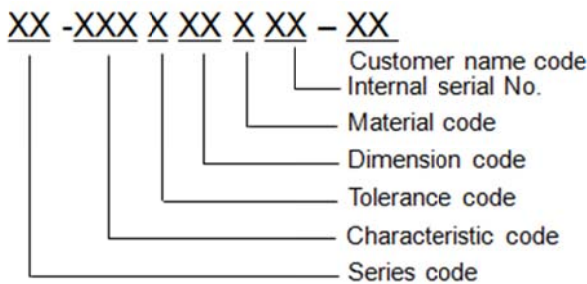
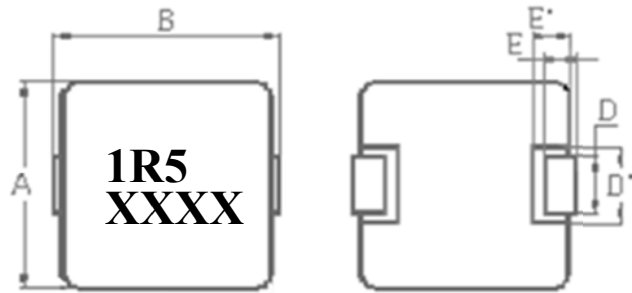


SMD Alloy Molding Power Inductor EM-32V Series (0512)

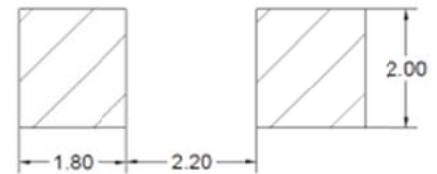
1. CONFIGURATIONS & DIMENSIONS



TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%

Code	Dimensions(mm)
A:	4.7±0.2
B:	5.0±0.2
C:	1.2MAX
E:	1.0±0.5
E':	1.5±0.1
D :	1.5±0.3
D' :	2.2±0.2
W:	0.15+0



SUGGEST PCB PATTERN

2. SPECIFICATIONS

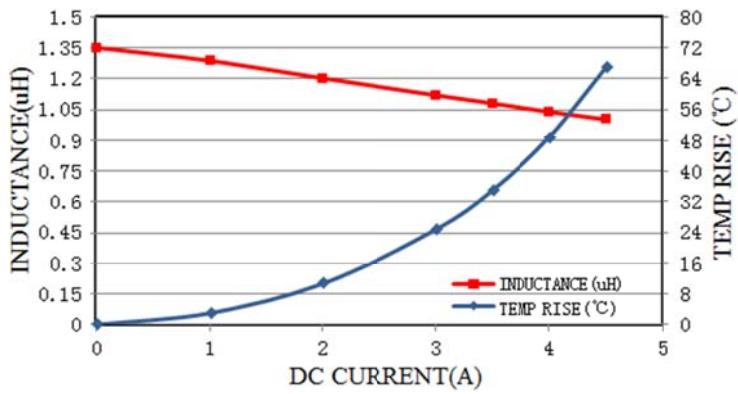
Part Number	Inductance L0(uH) ± 20% @0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-15AM32V01	1.50	3.5	4.5	59 ± 10%
EM-22AM32V01	2.20	3	4	78 ± 10%

Note:

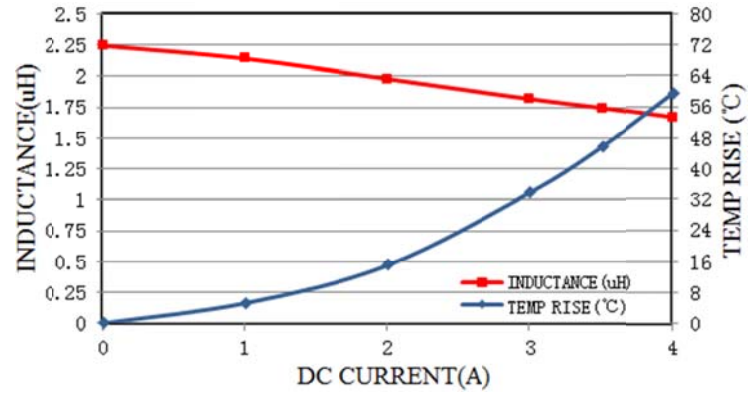
1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: ΔT 40°C approximately at Irms.
4. Saturation Rated Current: Inductance drop approximately 30% at Isat.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C ~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

3. DC Bias Characteristics (Typical)

EM-15AM32V01

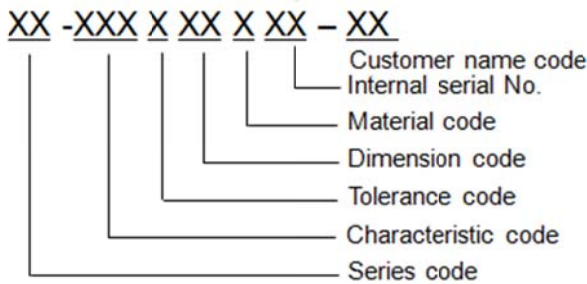
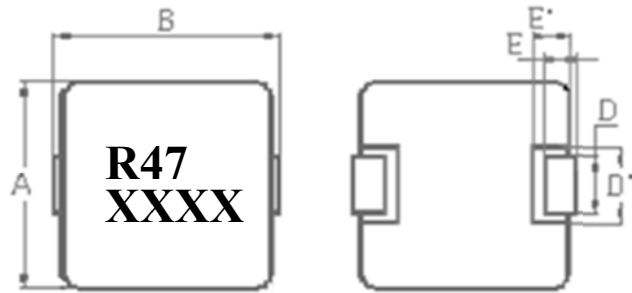


EM-22AM73V01



SMD Alloy Molding Power Inductor EM-30V Series (0520):

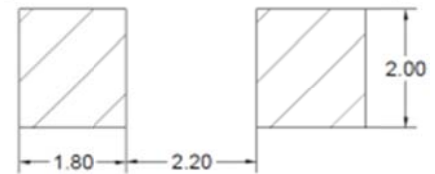
1. CONFIGURATIONS & DIMENSIONS



TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%

Code	Dimensions(mm)
A:	4.7±0.2
B:	5.0±0.2
C:	2.0MAX
E:	1.0±0.5
E':	1.5±0.1
D :	1.5±0.3
D' :	2.2±0.2
W:	0.15+0



SUGGEST PCB PATTERN

2. SPECIFICATIONS

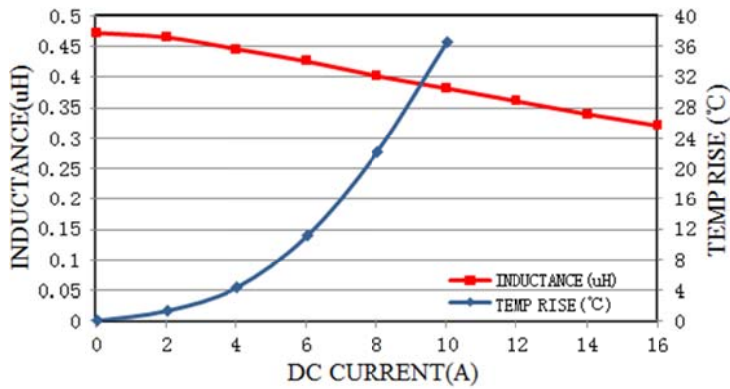
Part Number	Inductance L0(uH)± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-47BM30V02	0.47	10	16	9.2max
EM-10AM30V02-A1	1.00	6	12	20.3±8%
EM-22AM30V02	2.20	4.5	7	40max
EM-47AM30V02	4.70	3	4	70±10%

Note:

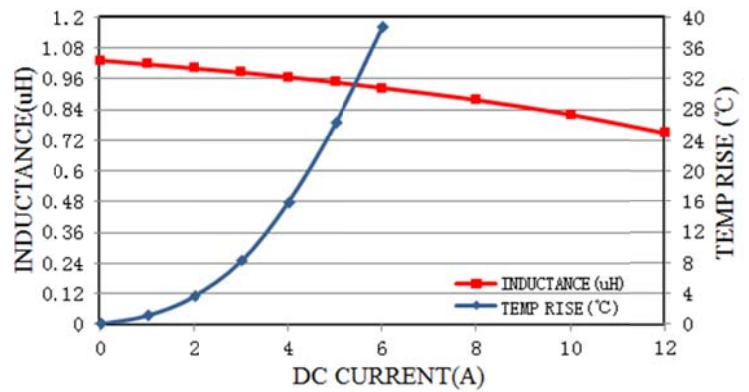
1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: ΔT 40°C approximately at Irms.
4. Saturation Rated Current: Inductance drop approximately 30% at Isat.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C~ +125°C.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

3. DC Bias Characteristics (Typical)

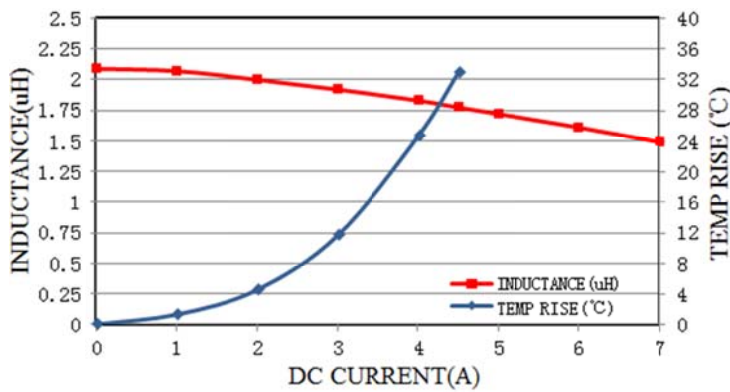
EM-47BM30V02



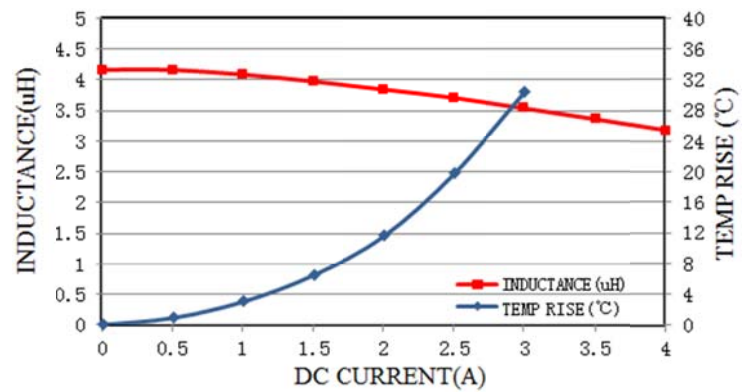
EM-10AM30V02-A1



EM-22AM30V02

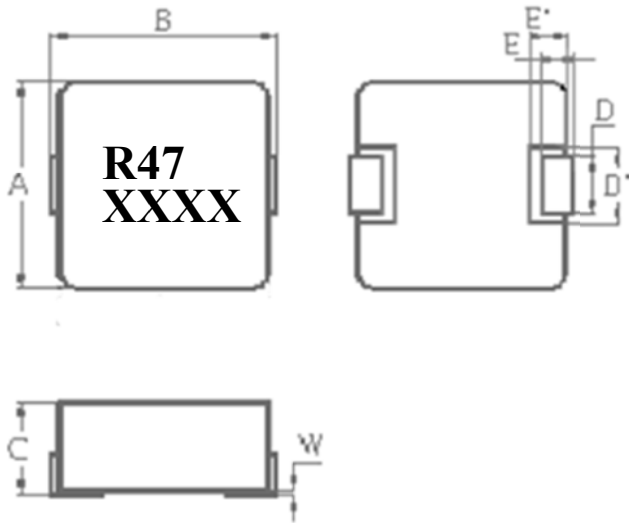


EM-47AM30V02

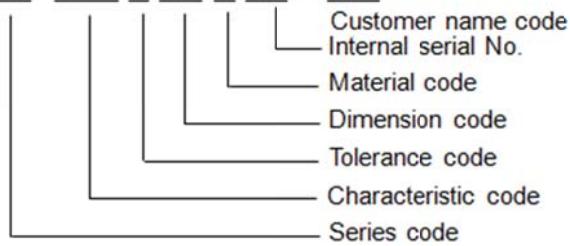


SMD Alloy Molding Power Inductor EM-02V Series (0530):

1. CONFIGURATIONS & DIMENSIONS



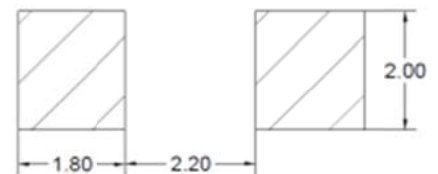
XX -XXX X XX X XX - XX



TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%

Code	Dimensions(mm)
A:	4.7 ± 0.2
B:	5.0 ± 0.2
C:	2.8 ± 0.2
E:	1.0 ± 0.5
E':	1.5 ± 0.1
D :	1.5 ± 0.3
D' :	2.2 ± 0.2
W:	0.15 ± 0



SUGGEST PCB PATTERN

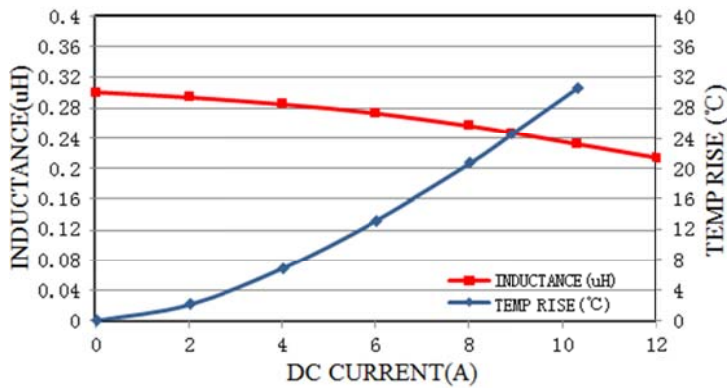
2. SPECIFICATIONS

Part Number	Inductance L0(uH)± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-33BM02V02	0.33	10.3	12	7.3max
EM-47BM02V03	0.47	12	14	8.0max
EM-68BM02V03	0.68	10	13	10.0max
EM-82BM02V02	0.82	8	8	11.7max
EM-10AM02V07	1.00	7	11	14.0max
EM-12AM02V01	1.20	7	7	10.4±10%
EM-15AM02V03	1.50	6	10	25max
EM-22AM02V05	2.20	5.5	9	35max
EM-33AM02V02	3.30	5	7	32±10%
EM-47AM02V03	4.70	3.5	5	74max
EM-56AM02V01	5.60	4	4.5	65±10%
EM-68AM02V05-A6	6.80	3.1	3.6	80max
EM-100M02V01	10.00	2.8	3.6	140±10%

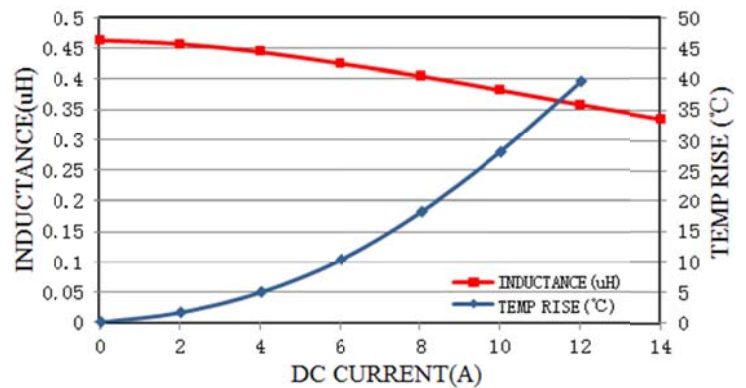
Note:

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.

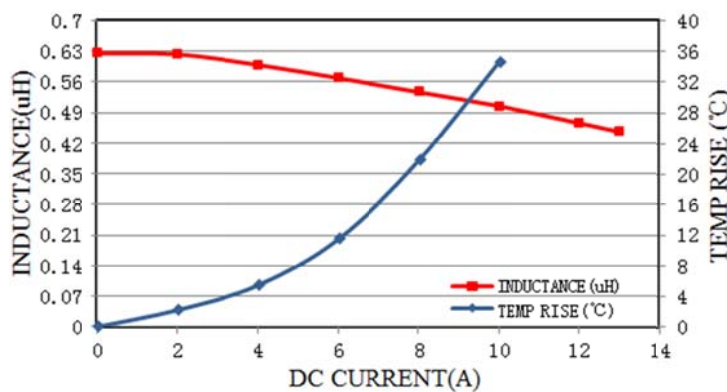
EM-33BM02V02



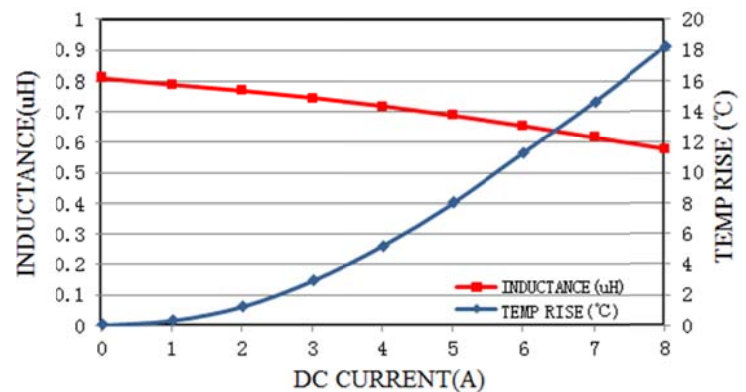
EM-47BM02V03



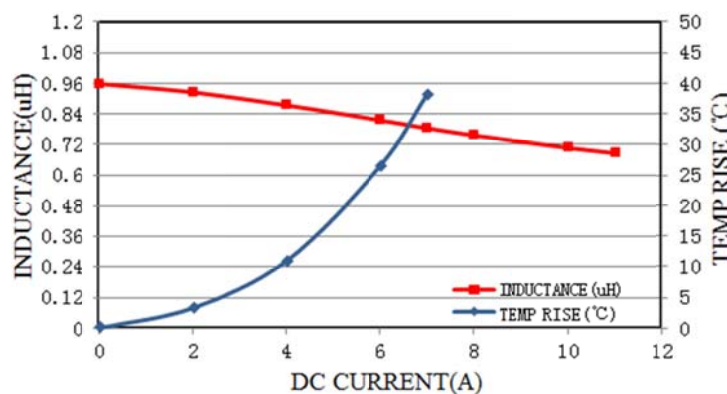
EM-68BM02V03



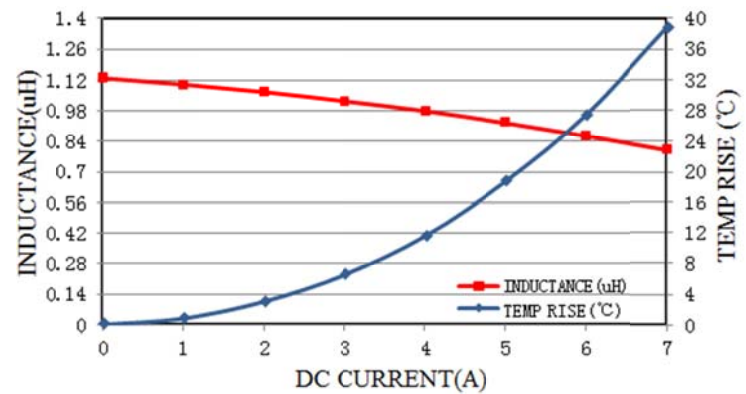
EM-82BM02V02



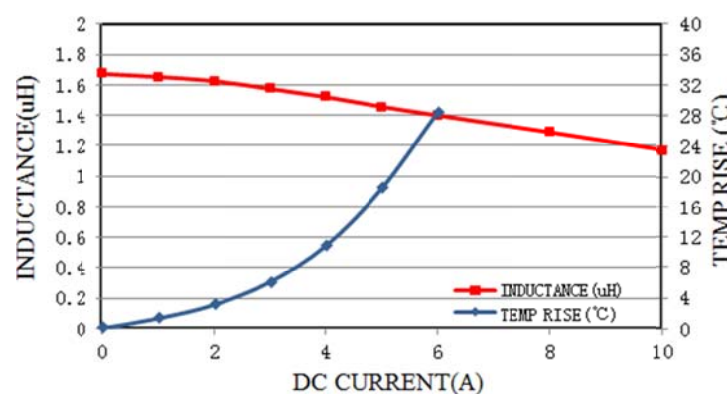
EM-10AM02V07



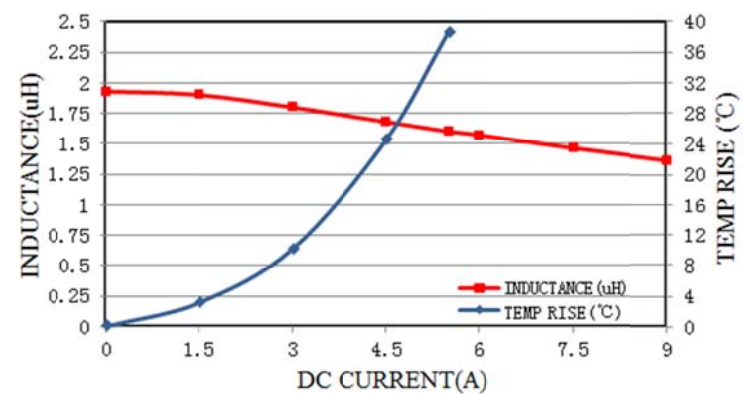
EM-12AM02V01



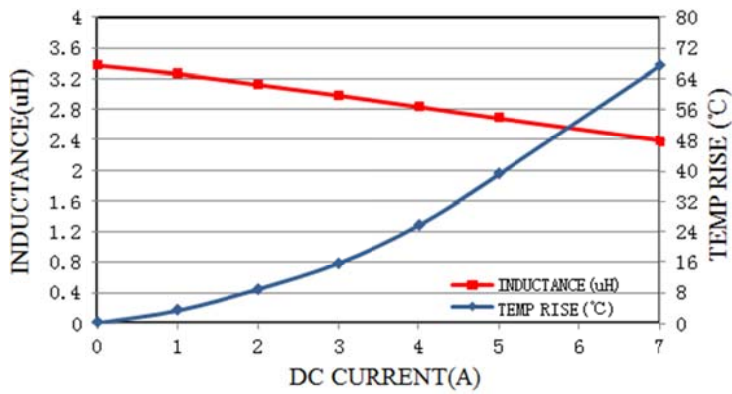
EM-15AM02V03



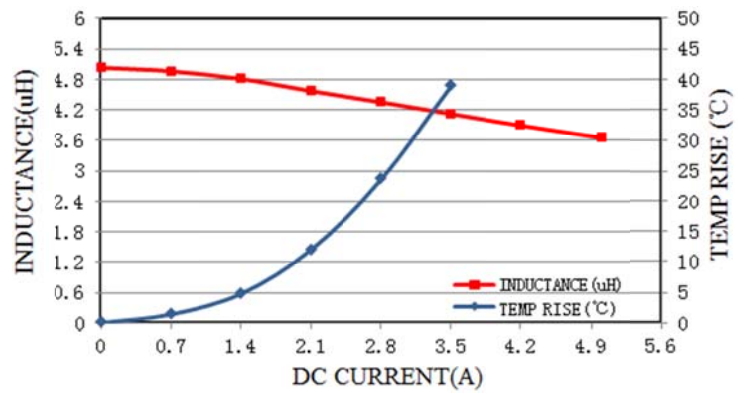
EM-22AM02V05



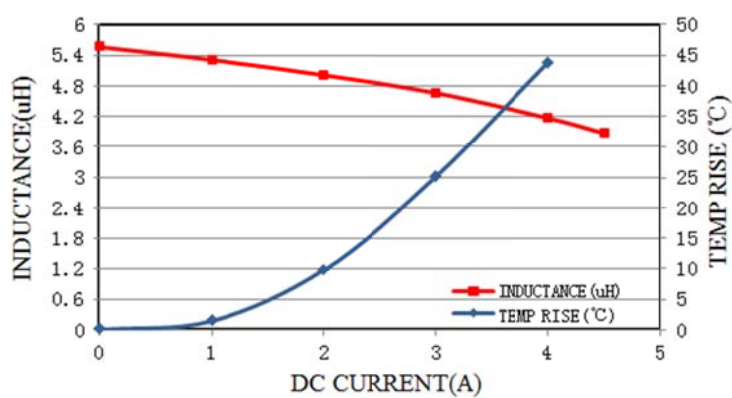
EM-33AM02V02



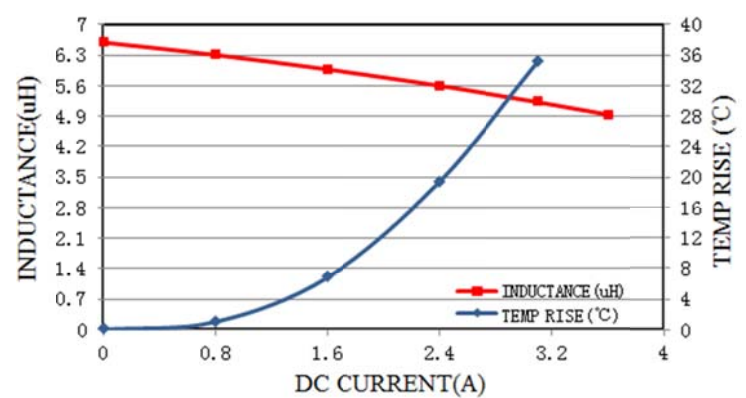
EM-47AM02V03



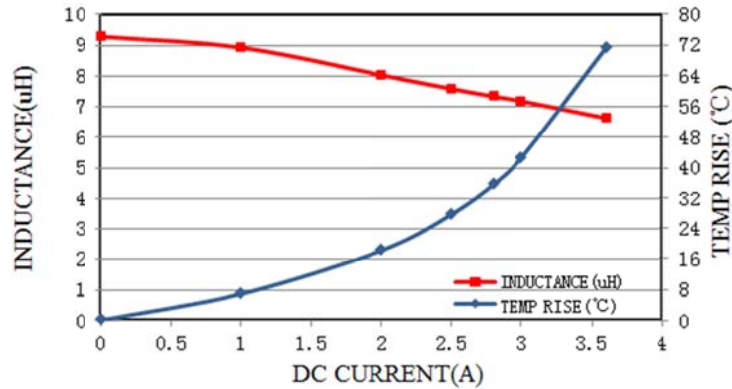
EM-56AM02V01



EM-68AM02V05-A6

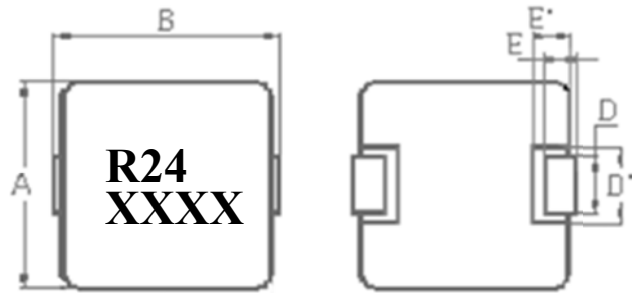


EM-100M02V01



SMD Alloy Molding Power Inductor EM-37V Series (0540):

1. CONFIGURATIONS & DIMENSIONS



XX -XXX X XX X XX - XX

Customer name code

Internal serial No.

Material code

Dimension code

Tolerance code

Characteristic code

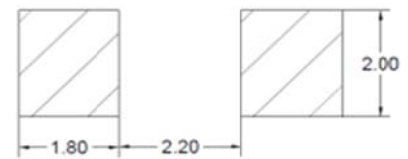
Series code

TOLERANCE CODE:

J:±5% K:±10% L:±15%

M:±20% N:±30%

Code	Dimensions(mm)	
	R24	1R5/2R2
A:	4.7±0.2	
B:	5.0±0.2	
C:	4.0MAX	3.9MAX
E:	1.0±0.5	
E':	1.5±0.1	
D :	1.5±0.3	
D' :	2.2±0.2	
W:	0.15+0	



SUGGEST PCB PATTERN

2. SPECIFICATIONS

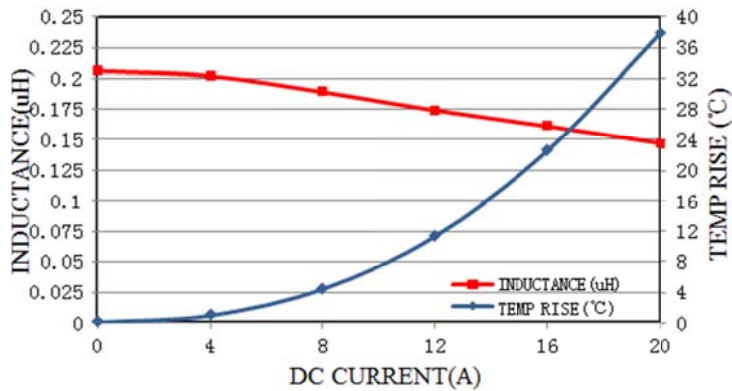
Part Number	Inductance L0(uH)± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-24BM37V01	0.24	20	20	3.65±10%
EM-15AM37V01	1.50	7.5	9.8	16max
EM-22AM37V01	2.20	6.8	8	20max

Note:

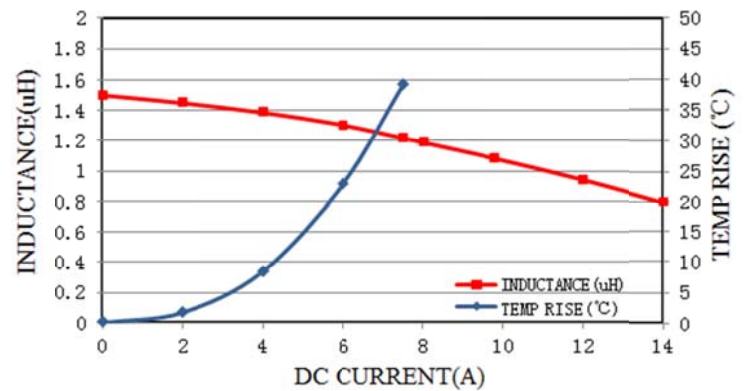
1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: ΔT 40°C approximately at I_{rms}.
4. Saturation Rated Current: Inductance drop approximately 30% at I_{sat}.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C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

3. DC Bias Characteristics (Typical)

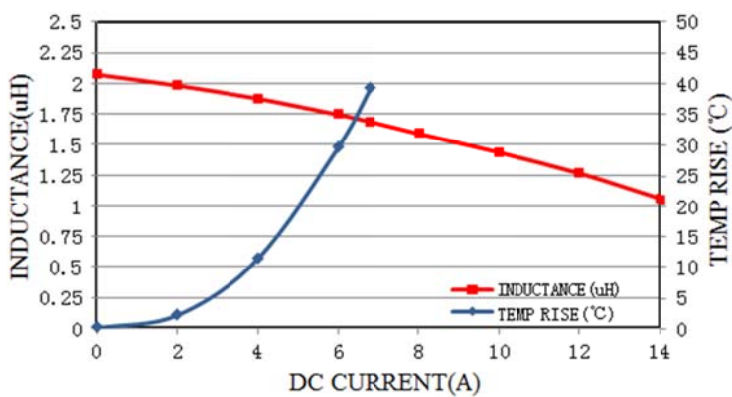
EM-24BM37V01

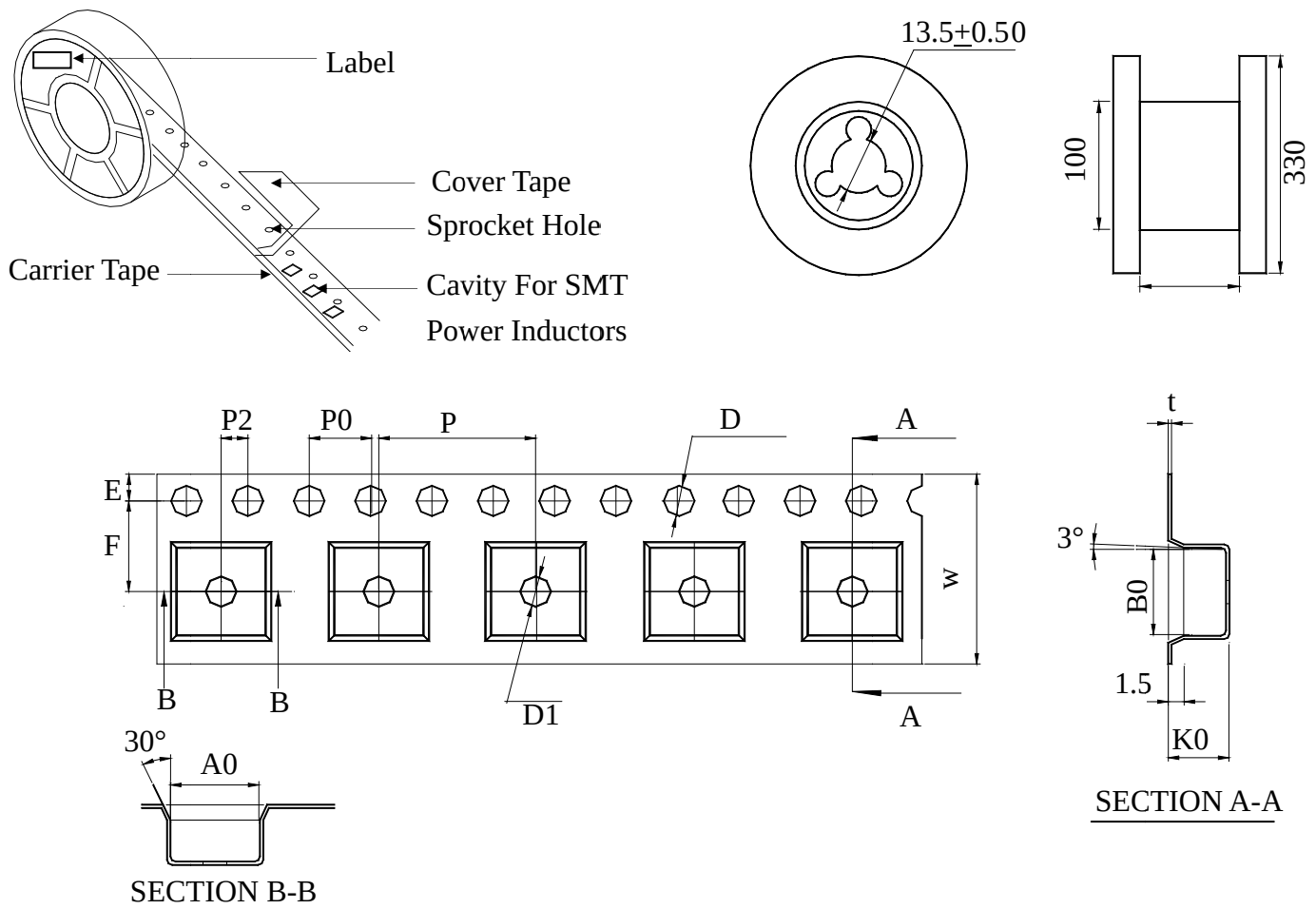


EM-15AM37V01



EM-22AM37V01



PACKAGING SPECIFICATION FOR (unit: mm):


	W	P	E	F	A0	B0	K0	t
0512 EM-32V	16.0+0.10/-0.30	12.0±0.10	1.75±0.10	7.50±0.10	5.0±0.10	5.5±0.10	1.5±0.10	0.35±0.05
0520 EM-30V	16.0+0.10/-0.30	12.0±0.10	1.75±0.10	7.50±0.10	5.0±0.10	5.6±0.10	2.3±0.10	0.35±0.05
0530 EM-02V	16.0+0.10/-0.30	12.0±0.10	1.75±0.10	7.50±0.10	5.1±0.10	5.4±0.10	3.3±0.10	0.35±0.05
0540 EM-37V	16.0+0.10/-0.30	12.0±0.10	1.75±0.10	7.50±0.10	4.95±0.10	5.25±0.10	4.4±0.10	0.35±0.05

	Chip / Reel
0512/EM-32V	2500 pcs
0520/EM-30V	2000 pcs
0530/EM-02V	1000 pcs
0540/EM-37V	1000 pcs