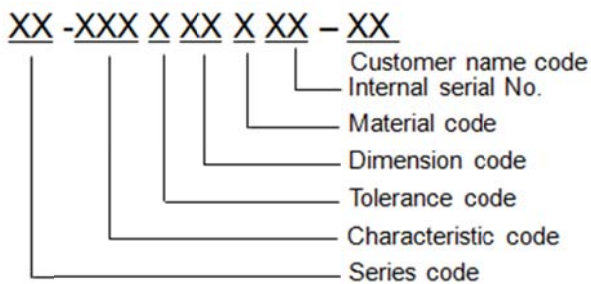
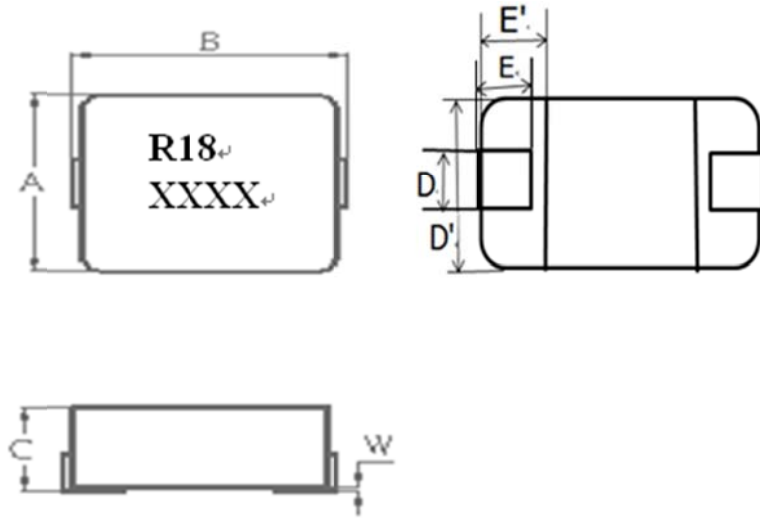


SMD Alloy Molding Power Inductor EM-1WV Series (108004)

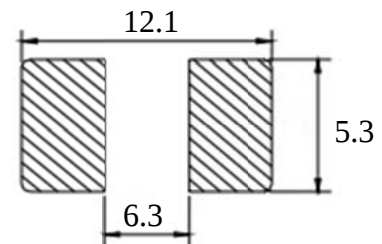
1. CONFIGURATIONS & DIMENSIONS



TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%

Code	Dimensions(mm)
A:	8.05MAX
B:	11.5MAX
C:	4.0MAX
E:	2.0±0.5
E':	2.5±0.1
D :	5.0±0.3
D':	7.9±0.15
W:	0.15±0



SUGGEST PCB PATTERN

2. SPECIFICATIONS

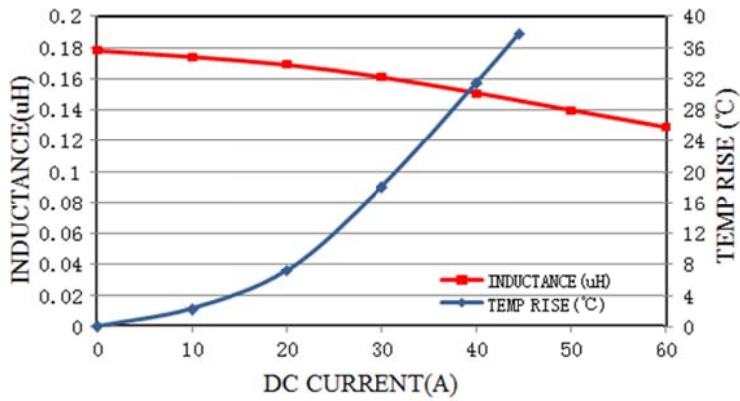
Part Number	Inductance L0(uH)± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-18BM1WV01	0.18	44.5	60	0.51±5%
EM-21BM1WV01	0.21	41	65	0.6±5%

Note:

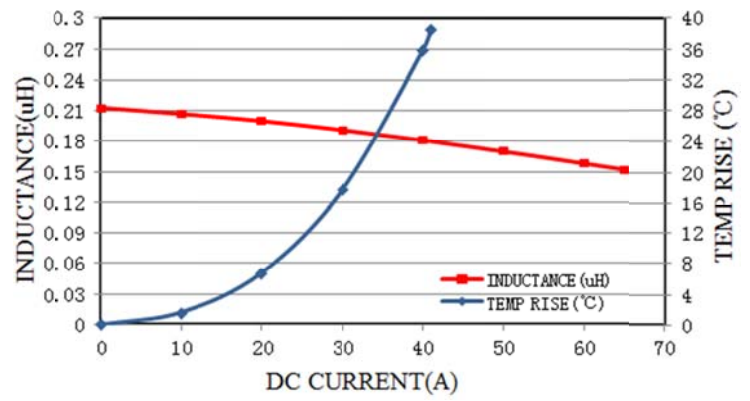
1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: ΔT 40°C approximately at I_{rms}.
4. Saturation Rated Current: Inductance drop approximately 30% at I_{sat}.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C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

3. DC Bias Characteristics (Typical)

EM-18BM1WV01

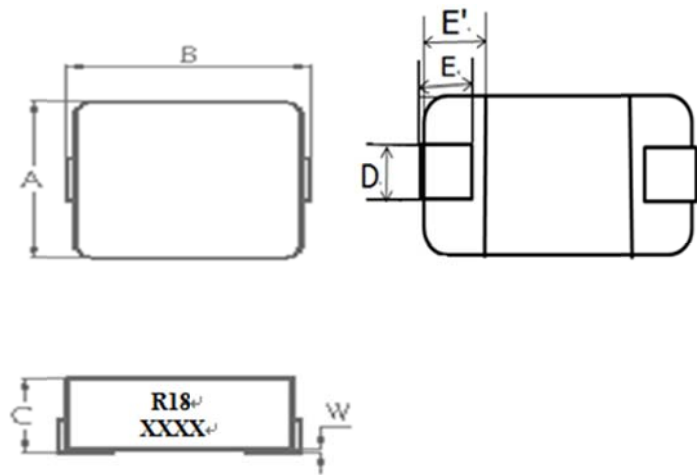


EM-21BM1WV01

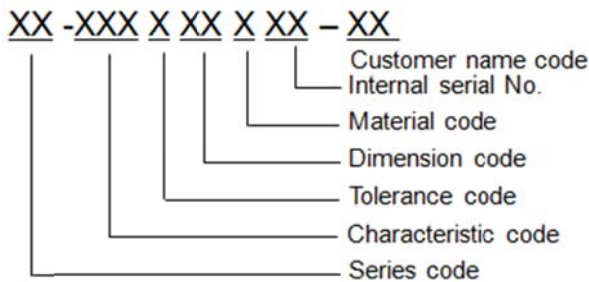


SMD Alloy Molding Power Inductor EM-1UV Series (108005)

1. CONFIGURATIONS & DIMENSIONS

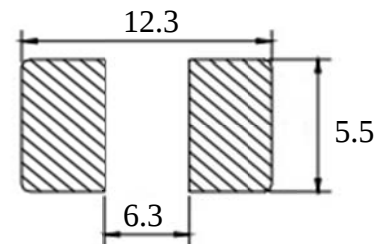


Code	Dimensions(mm)
A:	8.05MAX
B:	11.3 $\pm$ 0.3
C:	5.0MAX
E:	2.0 $\pm$ 0.5
E':	2.5 $\pm$ 0.1
D :	5.0 $\pm$ 0.5
W:	0.15+0



TOLERANCE CODE:

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



SUGGEST PCB PATTERN

2. SPECIFICATIONS

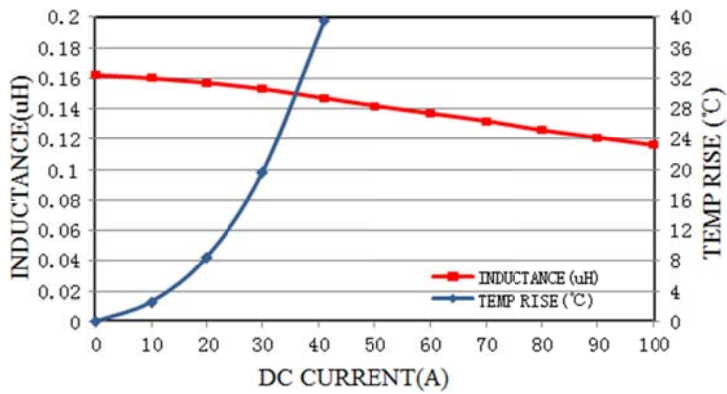
Part Number	Inductance L0(uH) $\pm$ 20% @ 0A	Irms(A) typ	Isat(A) typ	DCR(m Ω) @ 25 $^{\circ}$ C
EM-15BM1U101	0.15	41	100	0.63 $\pm$ 10%
EM-18BM1UV02	0.18	36	80	0.82 $\pm$ 10%
EM-22BM1UV01	0.22	41	65	0.63 $\pm$ 10%
EM-30BM1UV02	0.30	36	55	0.82 $\pm$ 10%

Note:

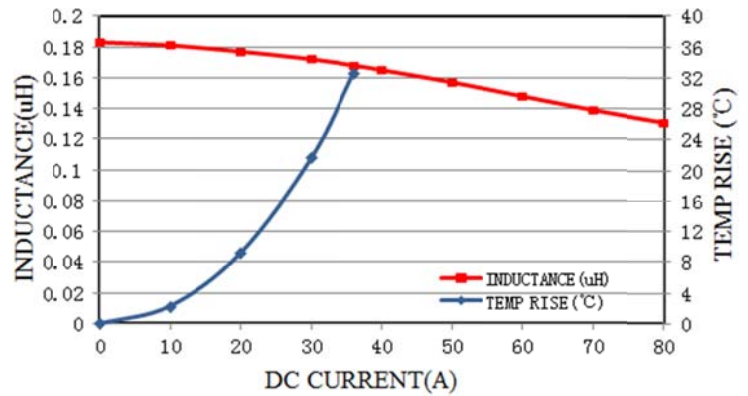
- Test frequency: L: 100 KHz /1.0v.
- All test data referenced to 25 $^{\circ}$ C ambient.
- Temperature Rise Current: Δ T 40 $^{\circ}$ C approximately at Irms.
- Saturation Rated Current: Inductance drop approximately 30% at Isat.
- Storage temp.: -40 $^{\circ}$ C ~ 85 $^{\circ}$ C.
- Storage R.H: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

3. DC Bias Characteristics (Typical)

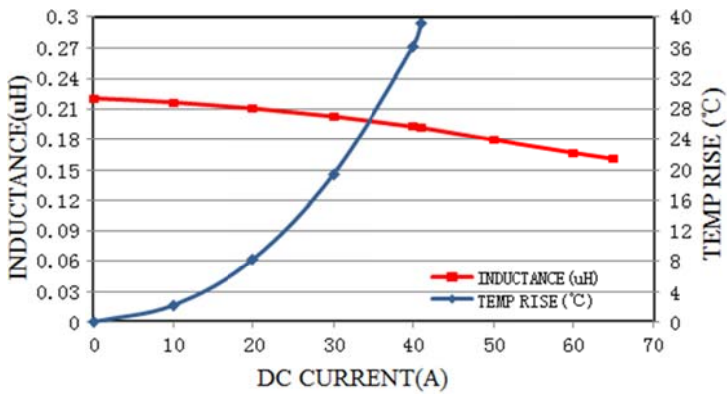
EM-15BM1UV01



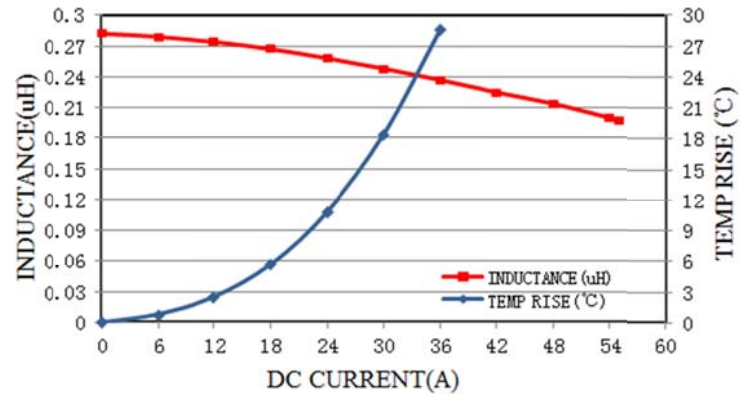
EM-18BM1UV02

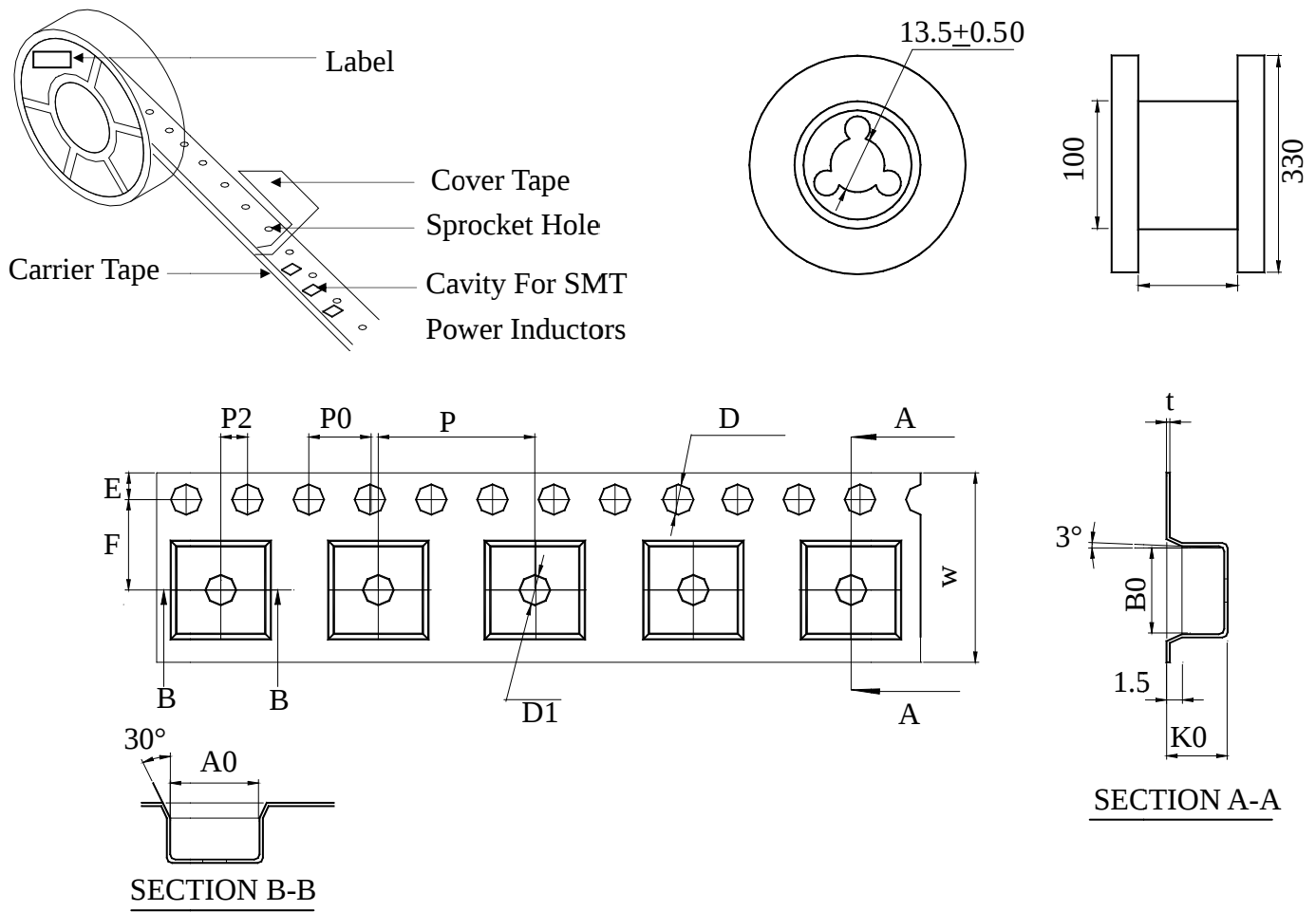


EM-22BM1UV01



EM-30BM1UV02



PACKAGING SPECIFICATION FOR SMD POWER INDUCTORS (unit: mm)


	W	P	E	F	A0	B0	K0	t
108004/ EM-1WV	24.0+0.10/-0.30	16.0±0.10	1.75±0.10	11.50±0.10	8.45±0.10	11.8±0.10	4.3±0.10	0.35±0.05
108005/ EM-1UV	24.0+0.10/-0.30	16.0±0.10	1.75±0.10	11.50±0.10	8.4±0.10	12.0±0.10	5.5±0.10	0.40±0.05

	Chip / Reel
108004/EM-1WV	500 pcs
108005/EM-1UV	500 pcs