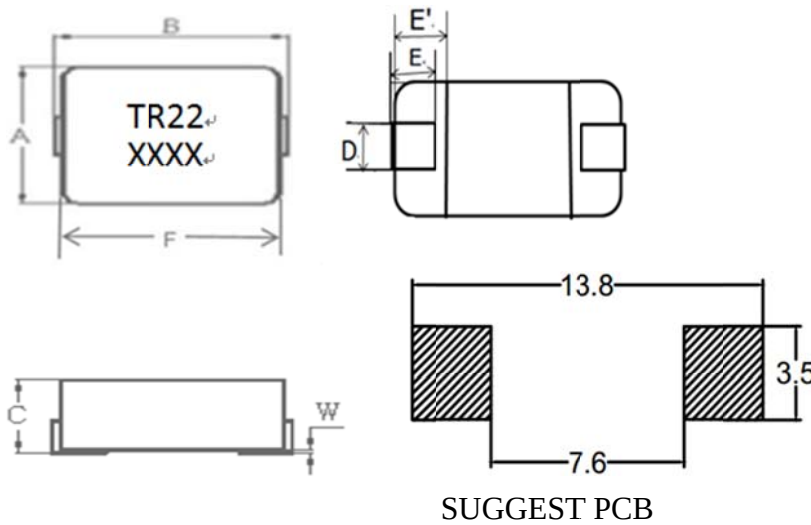
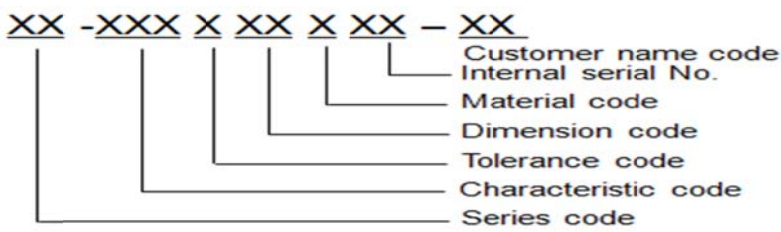


SMD Alloy Molding Power Inductor EM-99V Series (117903):

1. CONFIGURATIONS & DIMENSIONS



Code	Dimensions(mm)
A:	7.8 $\pm$ 0.3
B:	12.5 $\pm$ 0.3
C:	2.8 $\pm$ 0.2
E:	2.0 $\pm$ 0.5
E':	2.5 $\pm$ 0.2
D :	3.2 $\pm$ 0.3
W:	0.2 $\pm$ 0
F:	11.4 $\pm$ 0.2



TOLERANCE CODE:

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

2. SPECIFICATIONS

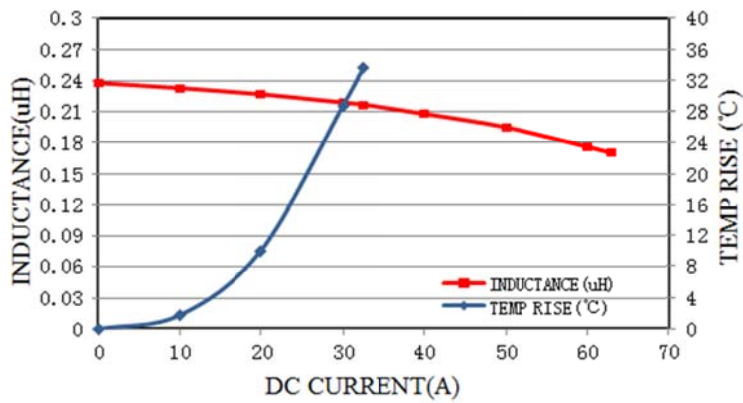
Part Number	Inductance L0(uH) $\pm$ 20% @ 0A	I _{rms} (A) typ	I _{sat} (A) typ	DCR(m Ω) @25°C
EM-22BM99V0_	0.22	32.5	63	0.93 $\pm$ 5%
EM-47BM99V0_	0.47	24	42	1.8 $\pm$ 5%

Note:

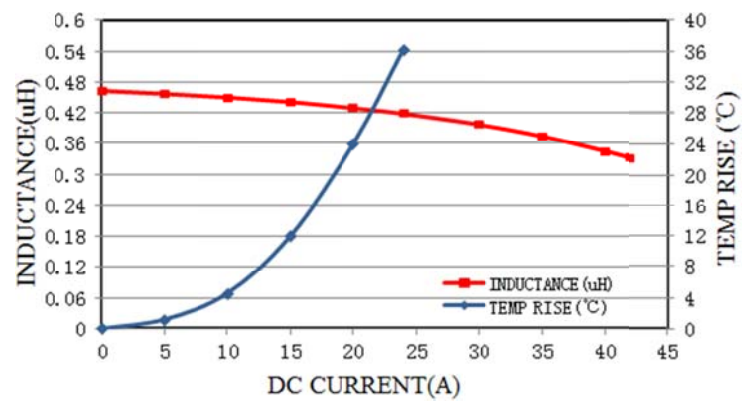
1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: Δ T 40°C approximately at I_{rms}.
4. Saturation Rated Current: Inductance drop approximately 30% at I_{sat}.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C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

3. DC Bias Characteristics (Typical)

EM-22BM99V0_

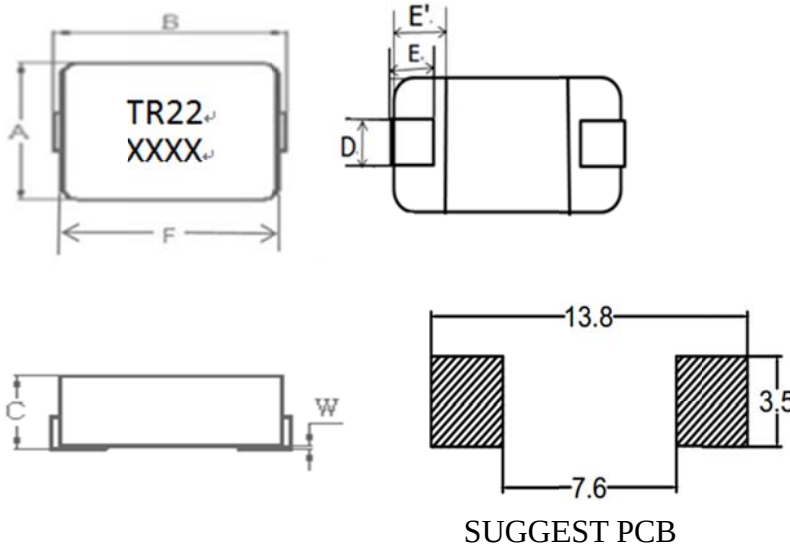


EM-47BM99V0_

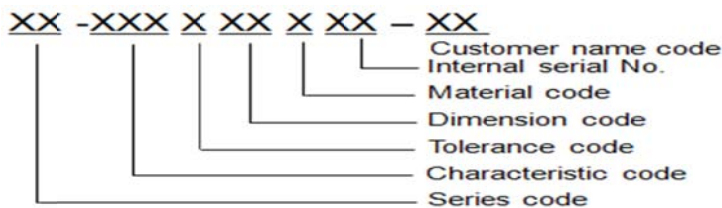


SMD Alloy Molding Power Inductor EM-1ZV Series (117904)

1. CONFIGURATIONS & DIMENSIONS



Code	Dimensions(mm)	
	R22	R47
A:	7.8 $\pm$ 0.3	
B:	12.8 $\pm$ 0.3	12.6 $\pm$ 0.3
C:	3.8 $\pm$ 0.2	
E:	2.0 $\pm$ 0.5	
E':	2.5 $\pm$ 0.2	
D :	3.2 $\pm$ 0.3	
W:	0.2+0	
F:	11.4 $\pm$ 0.2	



TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30% μ

2. SPECIFICATIONS

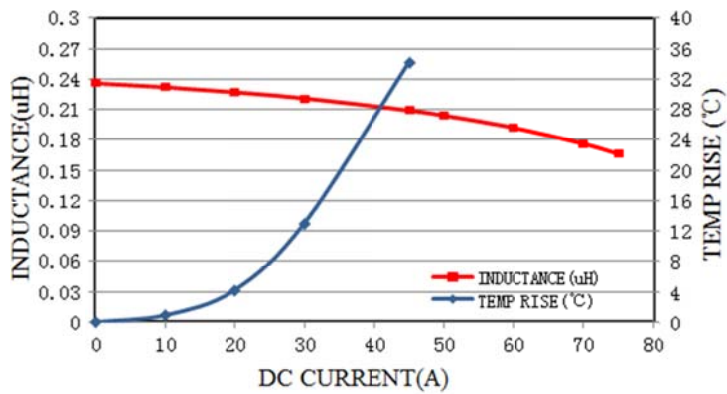
Part Number	Inductance L0(uH)± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25℃
EM-22BM1ZV0_	0.22	45	75	0.48±5%
EM-47BM1ZV02_	0.47	28	52	1.4±5%

Note:

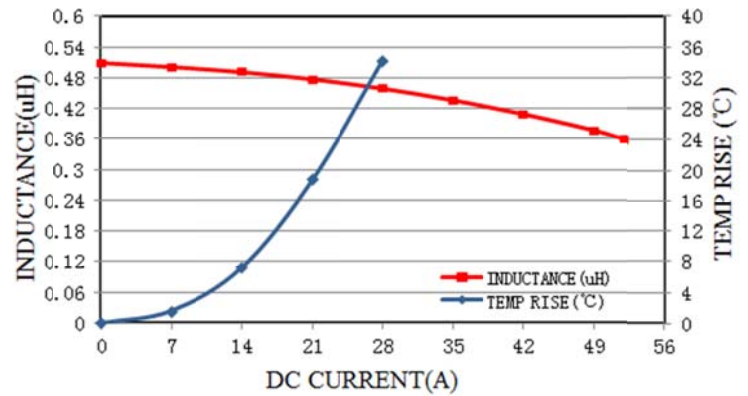
1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25℃ ambient.
3. Temperature Rise Current: ΔT 40℃ approximately at Irms.
4. Saturation Rated Current: Inductance drop approximately 30% at Isat.
5. Storage temp.: -40℃ ~ 85℃.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55℃~ +125℃.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

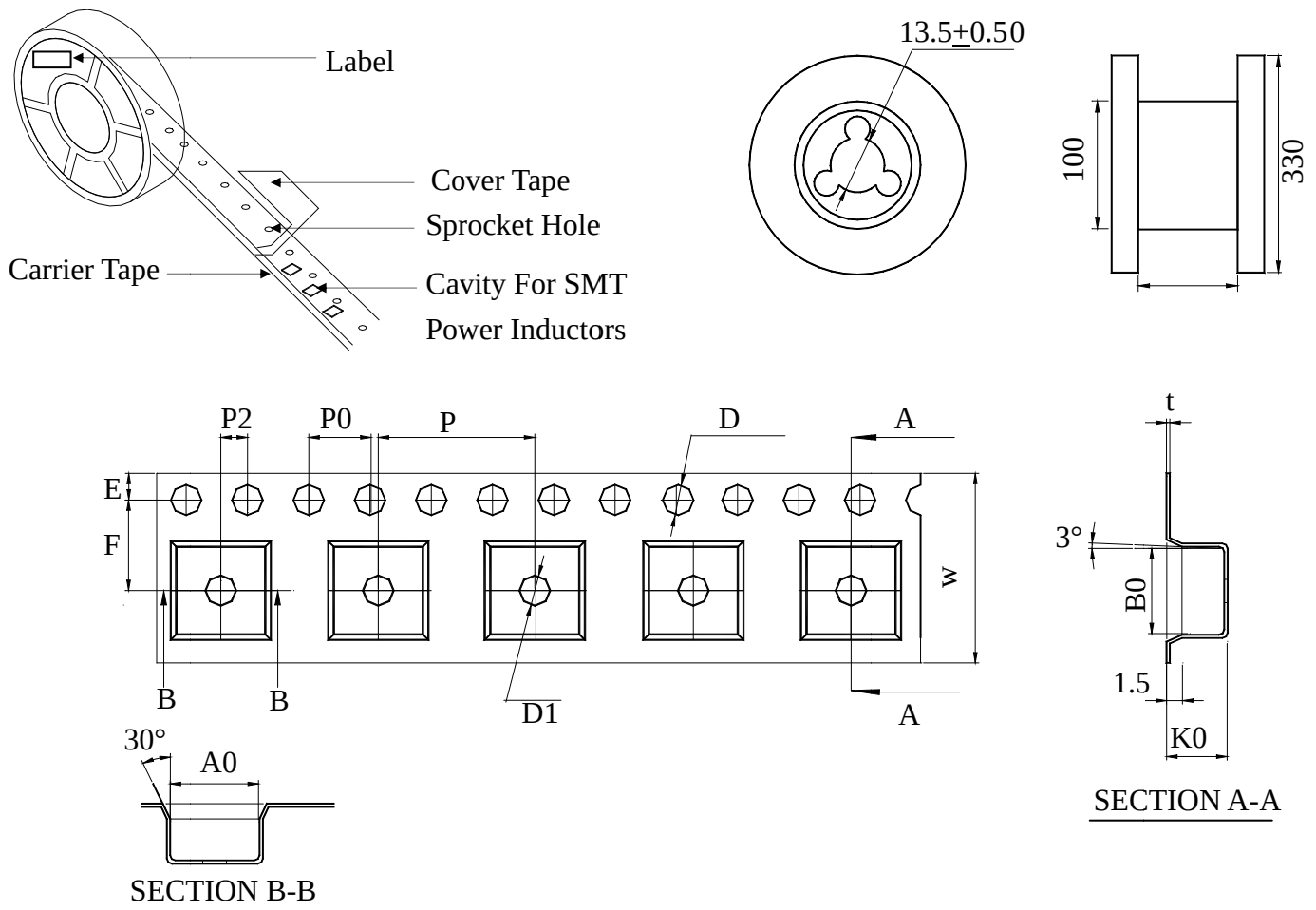
3. DC Bias Characteristics (Typical)

EM-22BM1ZV0_



EM-47BM1ZV0_



PACKAGING SPECIFICATION FOR SMD POWER INDUCTORS (unit: mm)


	W	P	E	F	A0	B0	K0	t
117903/ EM-99V	24.0+0.10/-0.30	12.0±0.10	1.75±0.10	11.50±0.10	8.4±0.10	13.4±0.10	3.4±0.10	0.35±0.05
117904/ EM-1ZV	24.0+0.10/-0.30	12.0±0.10	1.75±0.10	11.50±0.10	8.4±0.10	13.4±0.10	4.4±0.10	0.35±0.05

	Chip / Reel
117903/EM-99V	1000 pcs
117904/EM-1ZV	1000 pcs