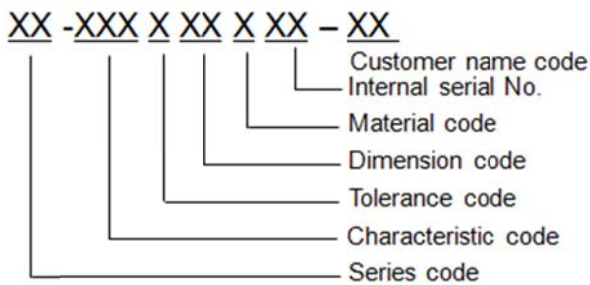
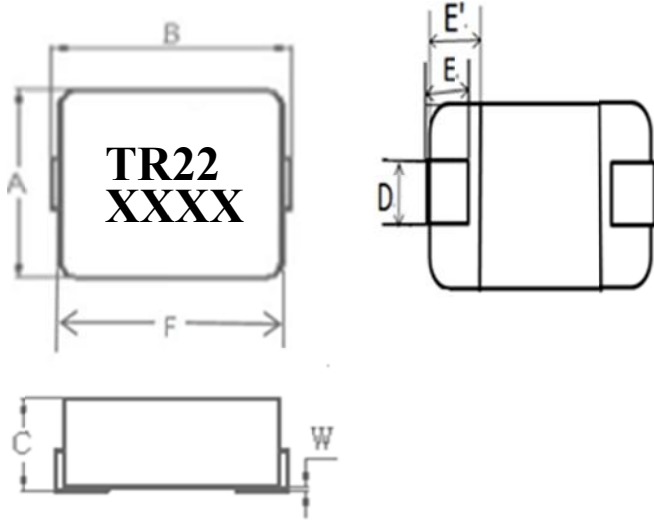


SMD Alloy Molding Power Inductor EM-97V Series (7930)

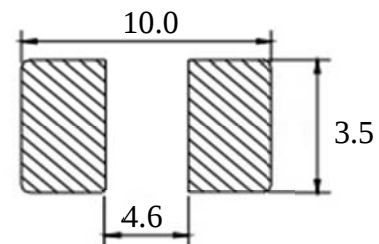
1. CONFIGURATIONS & DIMENSIONS



TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%

Code	Dimensions(mm)
A:	8.1MAX
B:	9.1MAX
C:	3.0MAX
E:	2.0±0.5
E':	2.5±0.2
D :	3.2±0.3
W:	0.15±0
F:	7.9±0.2



SUGGEST PCB PATTERN

2. SPECIFICATIONS

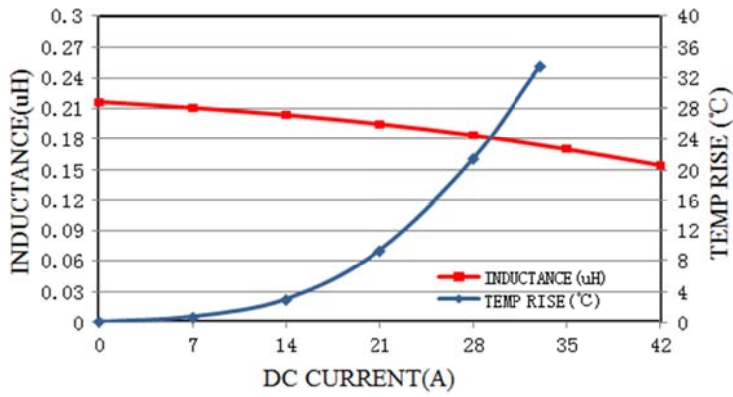
Part Number	Inductance L0(uH)± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-22BM97V02	0.22	33	42	0.94±5%

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.

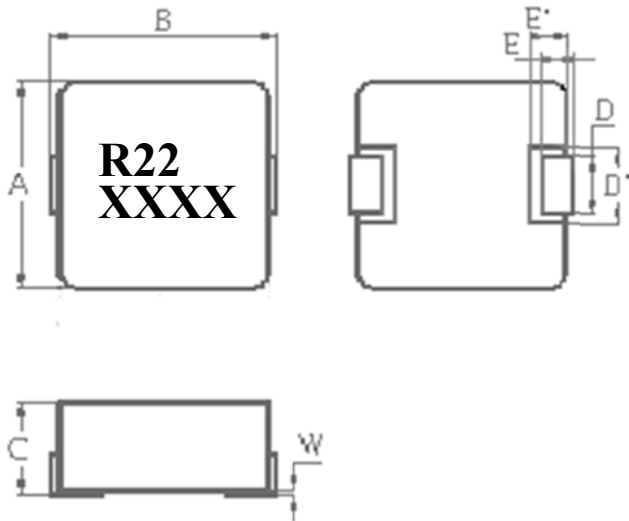
3. DC Bias Characteristics (Typical)

EM-22BM97V02

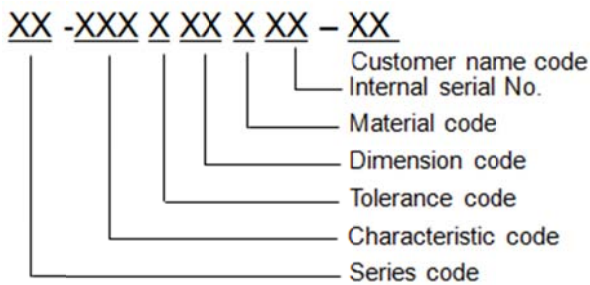


SMD Alloy Molding Power Inductor EM-98V Series (7940)

1. CONFIGURATIONS & DIMENSIONS

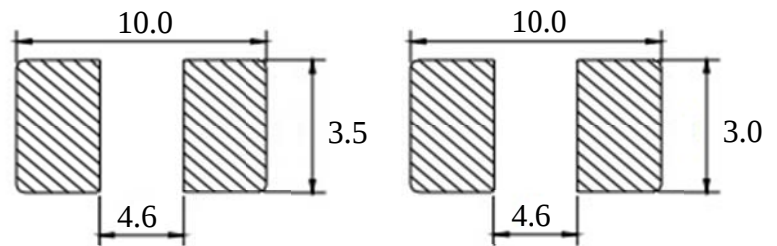


Code	Dimensions(mm)	
	R22	1R0/2R2
A:	8.1MAX	
B:	9.1MAX	
C:	4.0MAX	
E:	2.0 $\pm$ 0.5	
E':	2.5 $\pm$ 0.2	
D :	3.2 $\pm$ 0.3	2.3 $\pm$ 0.3
W:	0.15+0	
F:	7.9 $\pm$ 0.2	



TOLERANCE CODE:

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



SUGGEST PCB PATTERN SUGGEST PCB PATTERN

2. SPECIFICATIONS

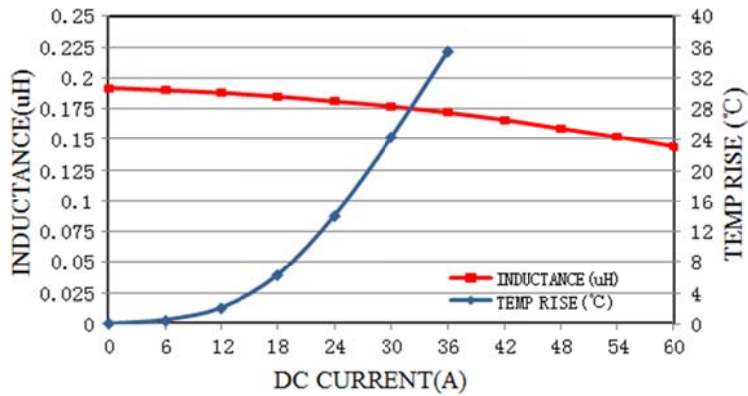
Part Number	Inductance L0(uH) $\pm$ 20%@0A	Irms(A) typ	Isat(A) typ	DCR(m Ω) @25°C
EM-22BM98V03	0.22	36	60	0.82 $\pm$ 5%
EM-10AM98V01	1.00	15	30	4.7 $\pm$ 5%
EM-22AM98V01	2.20	10	20	7.7 $\pm$ 5%

Note:

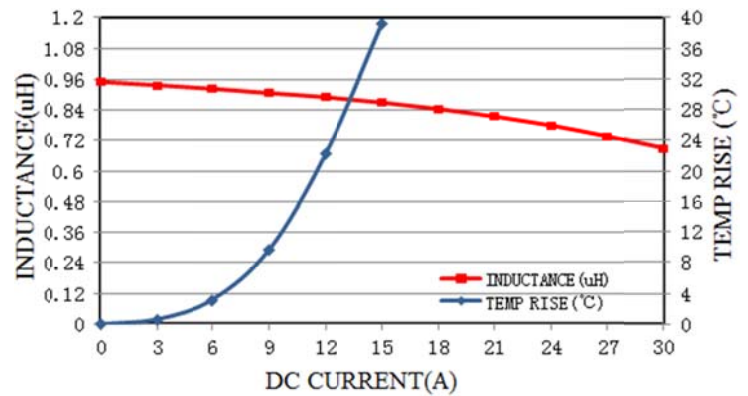
- Test frequency: L: 100 KHz /1.0v.
- All test data referenced to 25°C ambient.
- Temperature Rise Current: Δ T 40°C approximately at Irms.
- Saturation Rated Current: Inductance drop approximately 30% at Isat.
- Storage temp.: -40°C ~ 85°C.
- Storage R.H: 20% ~ 75%.
- Operating temp.: -55°C ~ +125°C.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

3. DC Bias Characteristics (Typical)

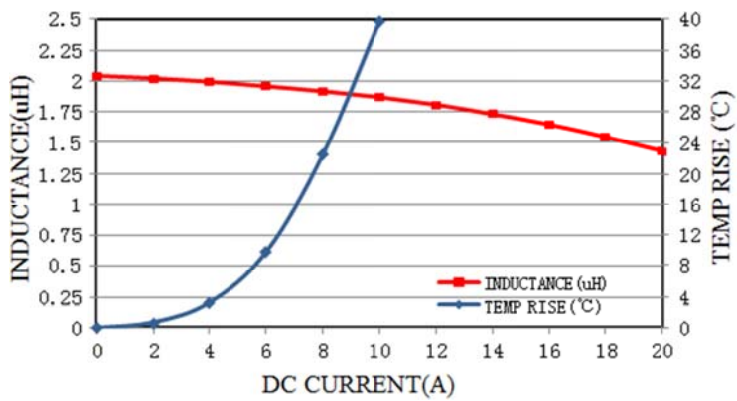
EM-22BM98V03

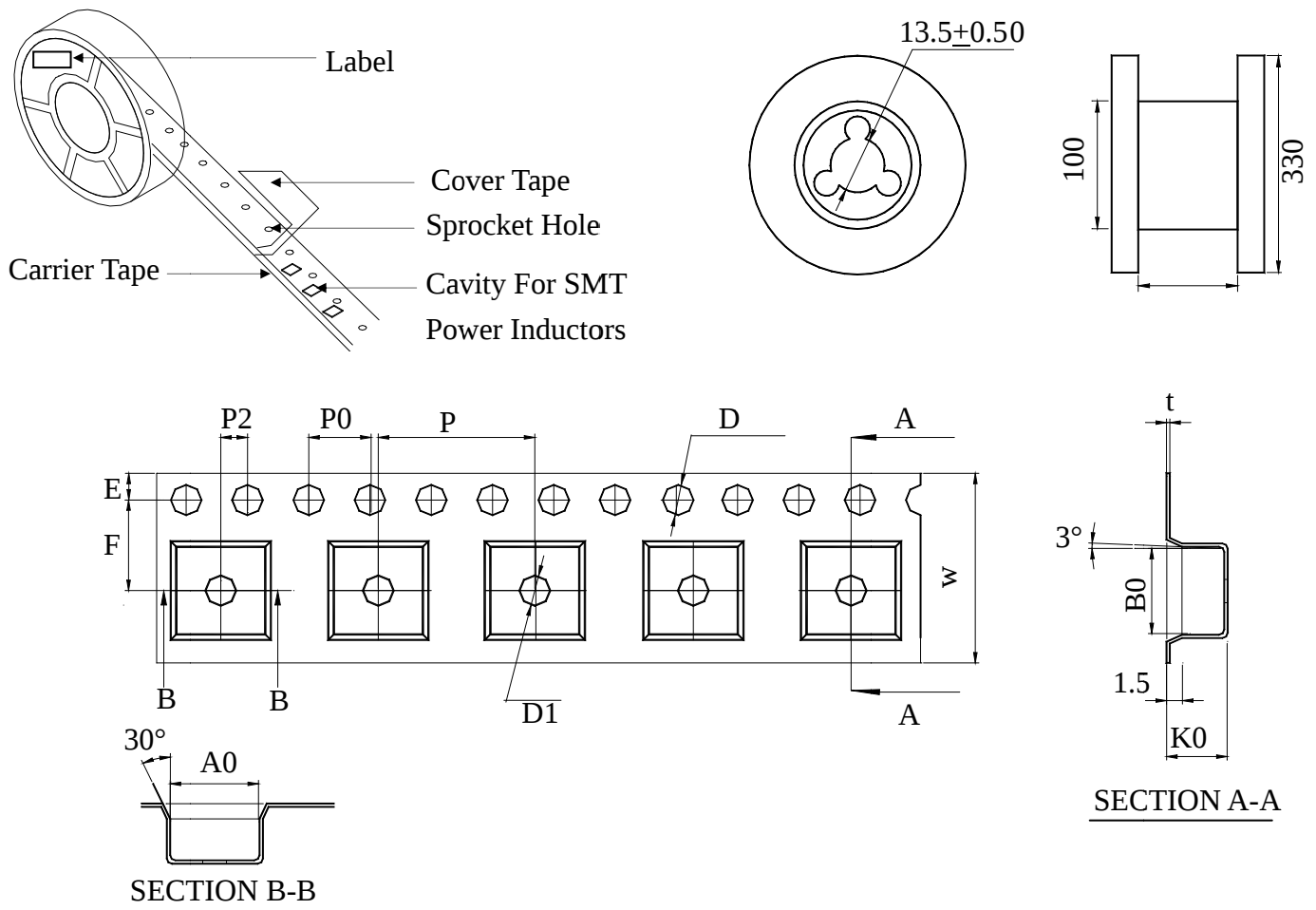


EM-10AM98V01



EM-22AM98V01



PACKAGING SPECIFICATION FOR SMD POWER INDUCTORS (unit: mm)


	W	P	E	F	A0	B0	K0	t
7930/ EM-97V	24.0+0.10/-0.30	12.0±0.10	1.75±0.10	11.50±0.10	8.4±0.10	9.3±0.10	3.4±0.10	0.35±0.05
7940/ EM-98V	24.0+0.10/-0.30	12.0±0.10	1.75±0.10	11.50±0.10	8.4±0.10	9.3±0.10	4.4±0.10	0.35±0.05

	Chip / Reel
7930/EM-97V	1000 pcs
7940/EM-98V	1000 pcs