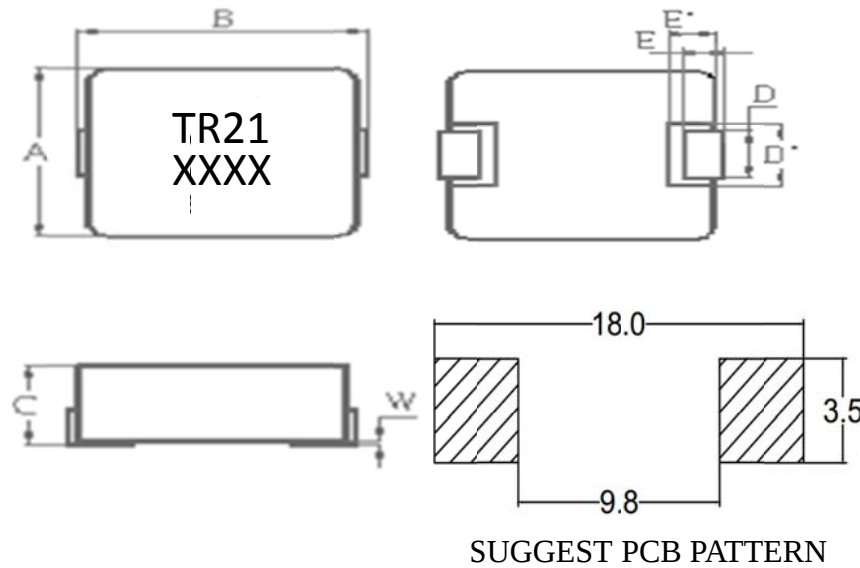
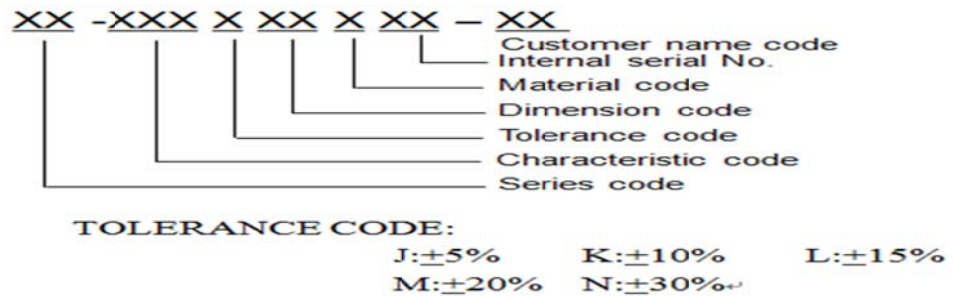


SMD Alloy Molding Power Inductor EM-81V Series (159104)

1. CONFIGURATIONS & DIMENSIONS



Code	Dimensions(mm)
A:	9.1±0.2
B:	16.8±0.5
C:	4.0MAX
E:	2.3±0.5
E':	3.3±0.2
D :	3.0±0.5
D':	5.6±0.2
W:	0.15±0



2. SPECIFICATIONS

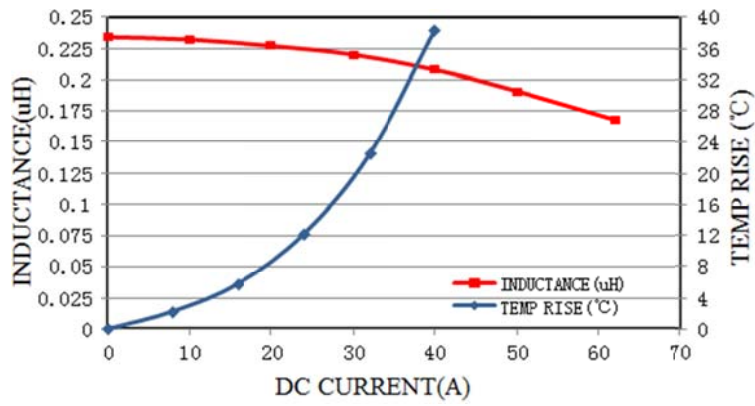
Part Number	Inductance L0(uH) ± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-22BM81V02	0.22	40	62	0.52 ± 10%

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.

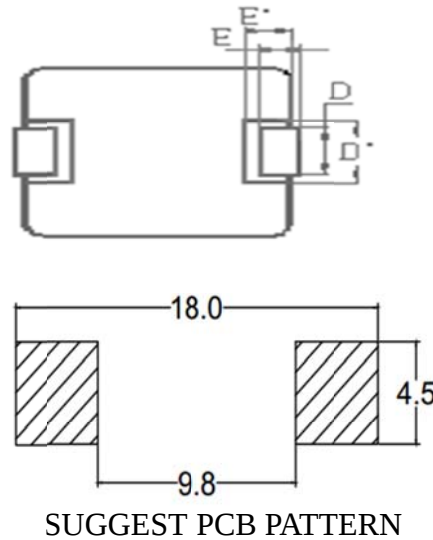
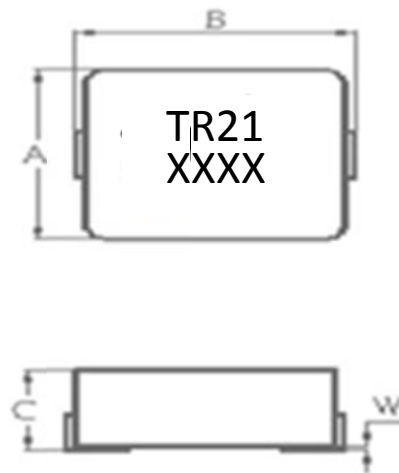
3. DC Bias Characteristics (Typical)

EM-22BM81V02

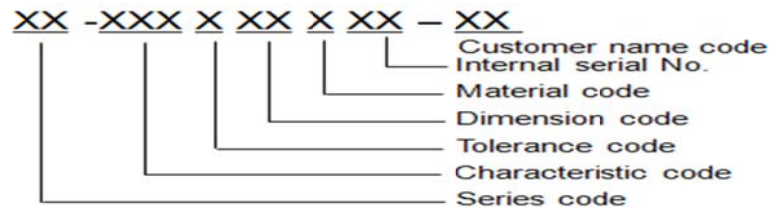


SMD Alloy Molding Power Inductor EM-77V Series (159105)

1. CONFIGURATIONS & DIMENSIONS



Code	Dimensions(mm)
A:	9.1±0.2
B:	17.3MAX
C:	5.0MAX
E:	2.9±0.5
E':	3.3±0.2
D :	4.0±0.3
D':	5.6±0.2
W:	0.15±0



TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%⁺

2. SPECIFICATIONS

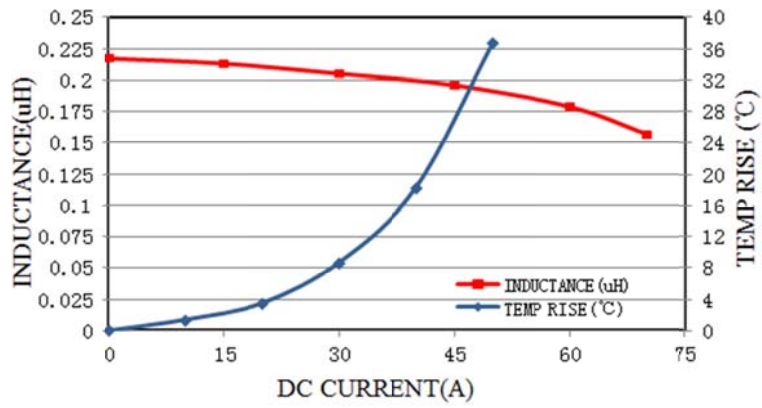
Part Number	Inductance L0(uH) ± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-21BM77V01	0.21	50	70	0.65max

Note:

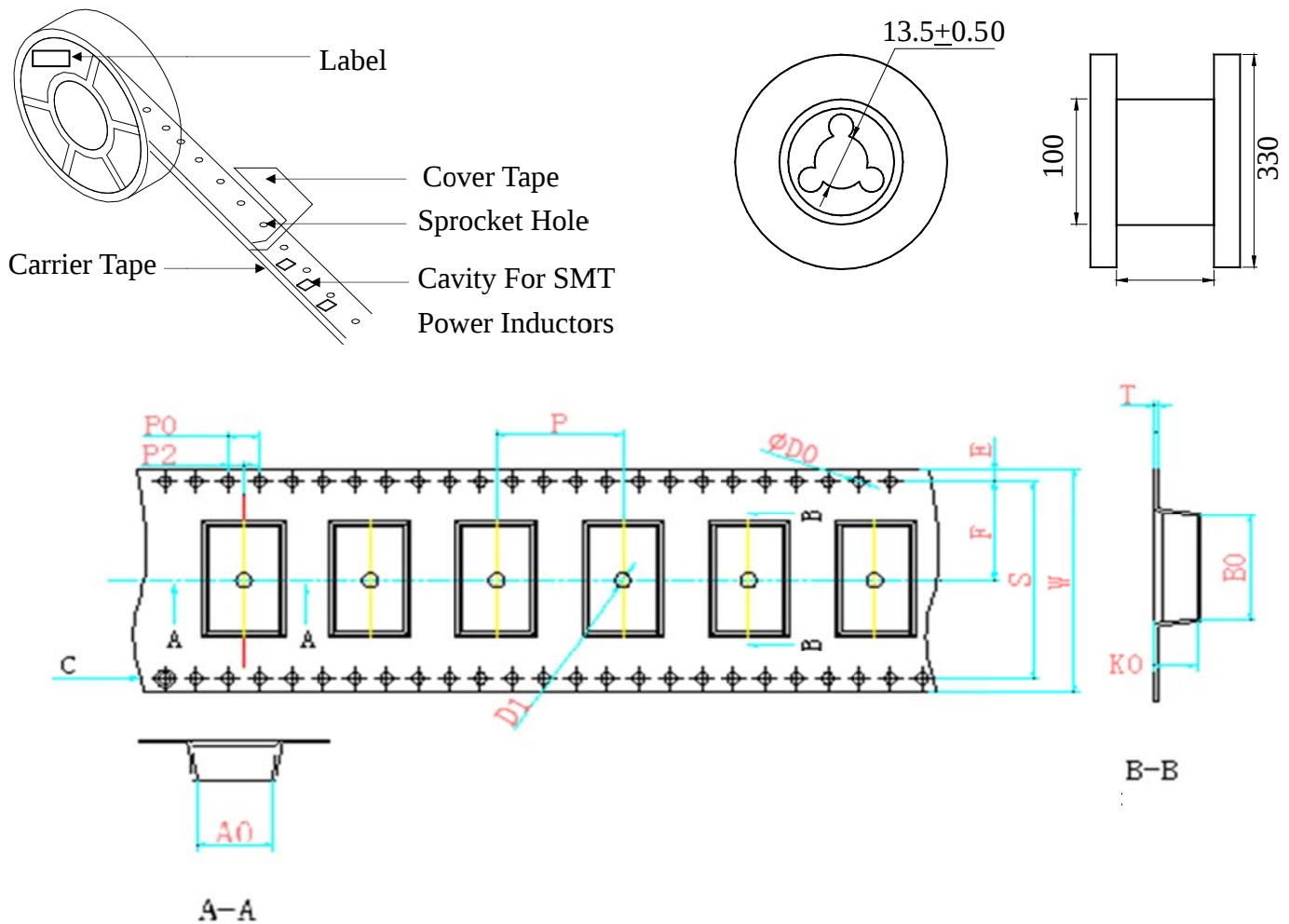
1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: ΔT 40°C approximately at Irms.
4. Saturation Rated Current: Inductance drop approximately 30% at Isat.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C ~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

3. DC Bias Characteristics (Typical)

EM-21BM77V01



PACKAGING SPECIFICATION FOR SMD POWER INDUCTORS (unit: mm)



	W	P	E	F	A0	B0	K0	t
159104/ EM-81V	32.0+0.10/-0.30	16.0±0.10	1.75±0.10	14.20±0.10	9.6±0.10	17.6±0.10	4.4±0.10	0.40±0.05
159105/ EM-77V	32.0+0.10/-0.30	16.0±0.10	1.75±0.10	14.2±0.10	9.4±0.10	17.4±0.10	5.4±0.10	0.40±0.05

	Chip / Reel
159104/EM-81V	500 pcs
159105/EM-77V	500 pcs