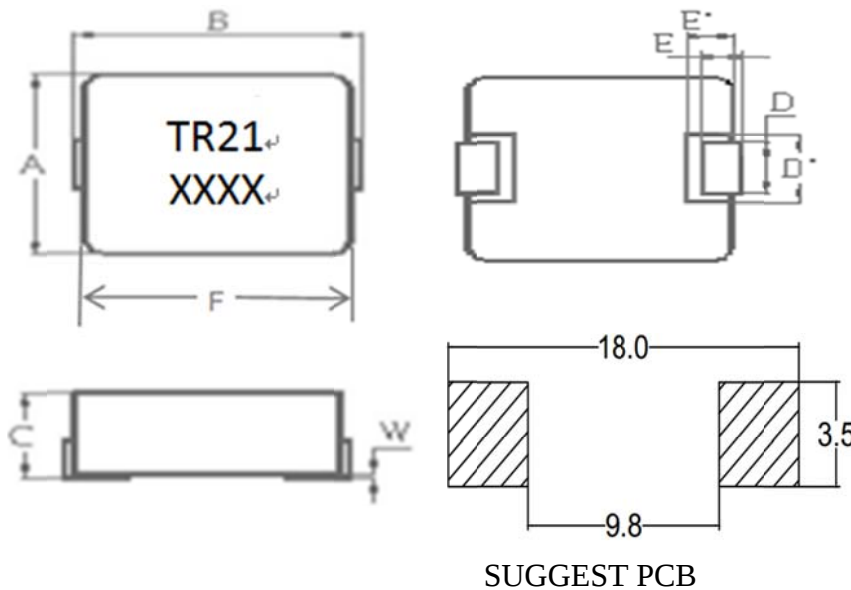
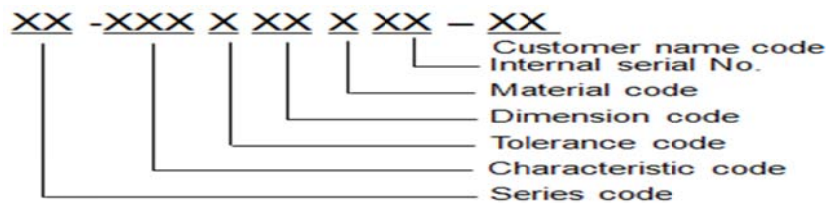


SMD Alloy Molding Power Inductor EM-87V Series (150902)

1. CONFIGURATIONS & DIMENSIONS



Code	Dimensions(mm)
A:	8.8MAX
B:	16.1 $\pm$ 0.3
C:	2.0MAX
E:	2.3 $\pm$ 0.5
E':	2.8 $\pm$ 0.2
D :	2.9 $\pm$ 0.5
D':	4.0 $\pm$ 0.2
W:	0.2+0
F:	15.4 $\pm$ 0.2



TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%

2. SPECIFICATIONS

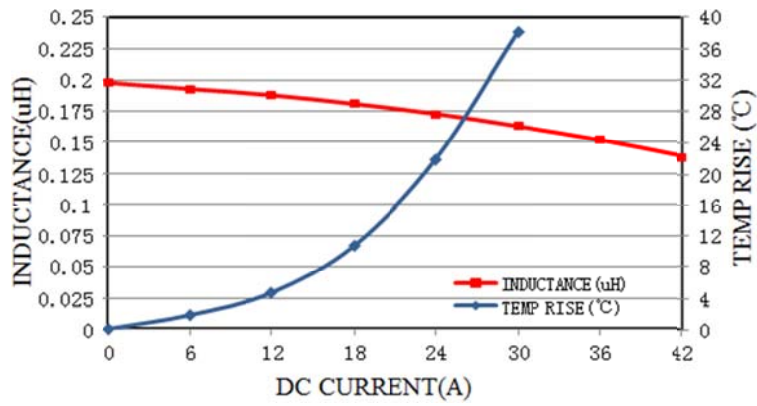
Part Number	Inductance L0(uH) $\pm$ 20%@0A	Irms(A) typ	Isat(A) typ	DCR(m Ω) @25°C
EM-21BM87V01	0.21	30	42	1.6 $\pm$ 10%

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.

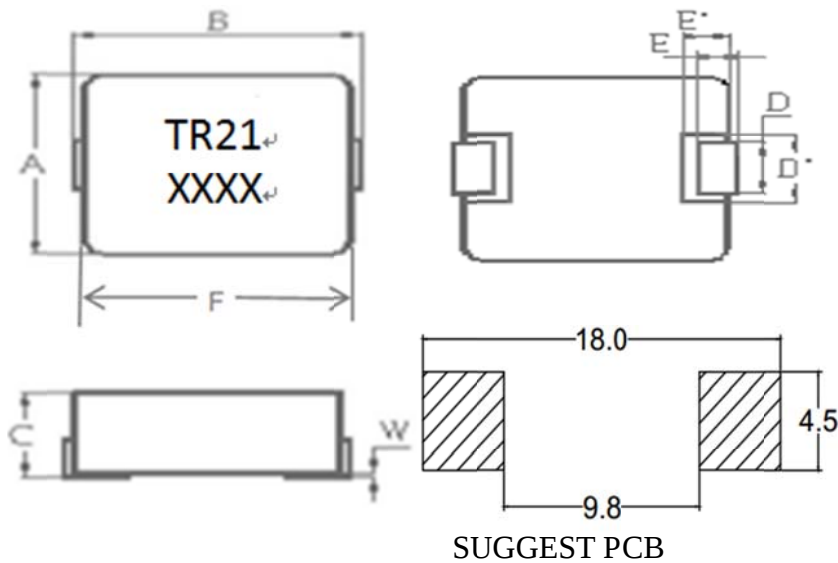
3. DC Bias Characteristics (Typical)

EM-21BM87V01

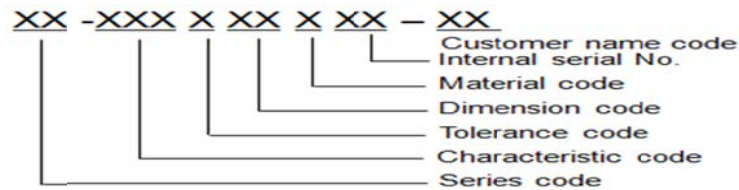


SMD Alloy Molding Power Inductor EM-88V Series (150903)

1. CONFIGURATIONS & DIMENSIONS



Code	Dimensions(mm)
A:	8.8MAX
B:	16.4 $\pm$ 0.3
C:	3.0MAX
E:	3.0 $\pm$ 0.5
E':	3.3 $\pm$ 0.2
D :	4.0 $\pm$ 0.5
D':	5.6 $\pm$ 0.2
W:	0.2+0
F:	15.4 $\pm$ 0.2



TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%

2. SPECIFICATIONS

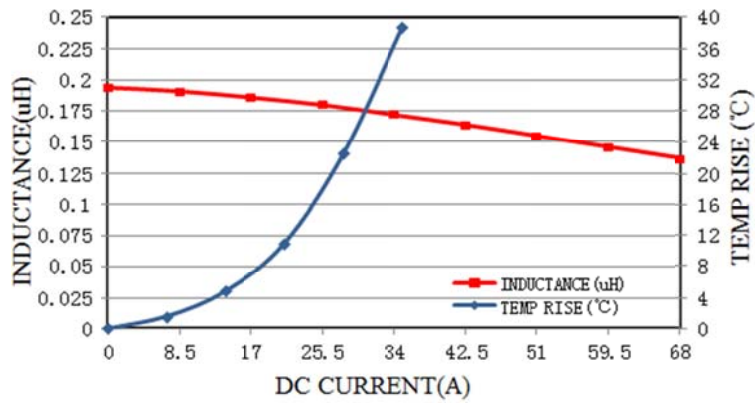
Part Number	Inductance L0(uH) ± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-21BM88V01	0.21	35	68	1.0 ± 10%

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.

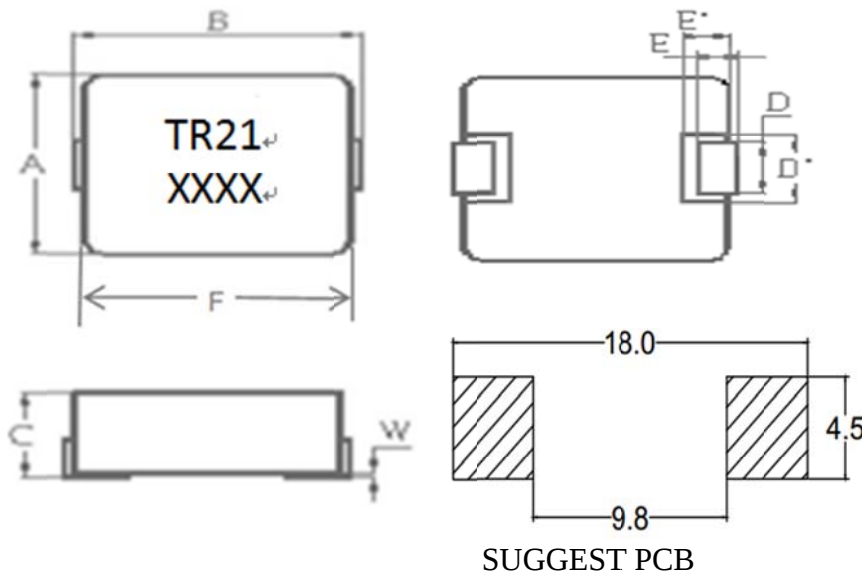
3. DC Bias Characteristics (Typical)

EM-21BM88V01

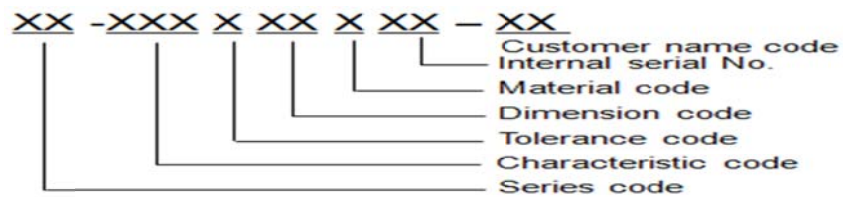


SMD Alloy Molding Power Inductor EM-68V Series (150904)

1. CONFIGURATIONS & DIMENSIONS



Code	Dimensions(mm)
A:	8.8MAX
B:	16.7 $\pm$ 0.5
C:	4.0MAX
E:	3.0 $\pm$ 0.5
E':	3.3 $\pm$ 0.2
D :	4.0 $\pm$ 0.5
D':	5.6 $\pm$ 0.2
W:	0.2+0
F:	15.4 $\pm$ 0.2



TOLERANCE CODE:

J:±5% K:±10% L:±15%
M:±20% N:±30%

2. SPECIFICATIONS

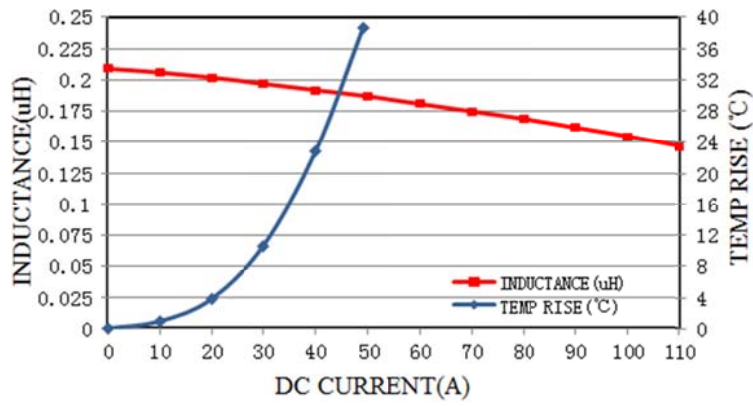
Part Number	Inductance L0(uH) ± 20%@0A	Irms(A) typ	Isat(A) typ	DCR(mΩ) @25°C
EM-21BM68V02	0.21	49	110	0.58 ± 10%

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.

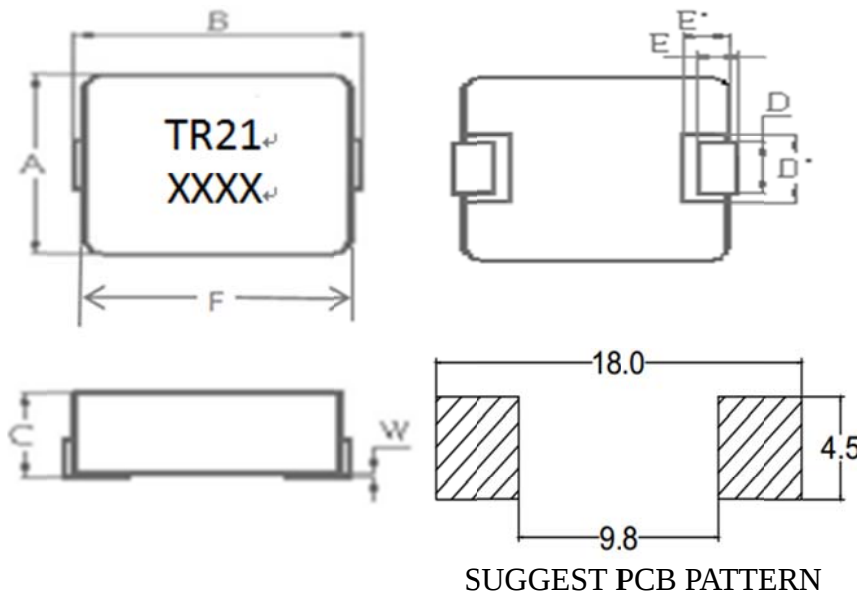
3. DC Bias Characteristics (Typical)

EM-21BM68V02

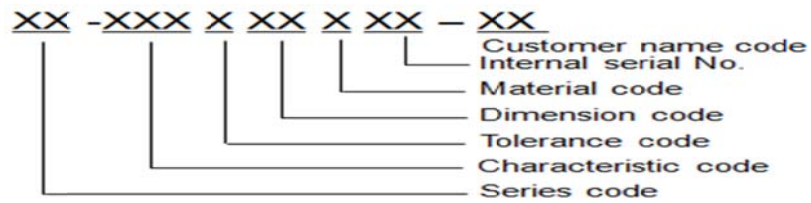


SMD Alloy Molding Power Inductor EM-76V Series (150905)

1. CONFIGURATIONS & DIMENSIONS



Code	Dimensions(mm)
A:	8.6 $\pm$ 0.2
B:	17.0 $\pm$ 0.3
C:	4.7 $\pm$ 0.3
E:	2.9 $\pm$ 0.3
E':	3.3 $\pm$ 0.2
D :	4.0 $\pm$ 0.3
D':	5.6 $\pm$ 0.2
W:	0.15 $\pm$ 0
F:	15.4 $\pm$ 0.2



TOLERANCE CODE:

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

2. SPECIFICATIONS

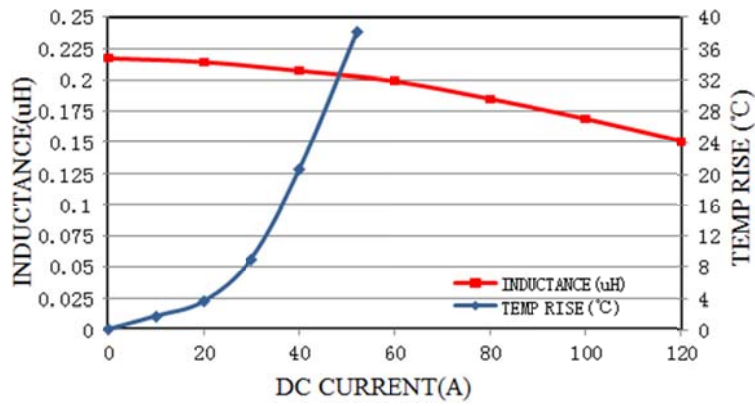
Part Number	Inductance L0(uH) $\pm$ 20%@0A	Irms(A) typ	Isat(A) typ	DCR(m Ω) @25°C
EM-21BM76V01	0.21	52	120	052 $\pm$ 8%

Note:

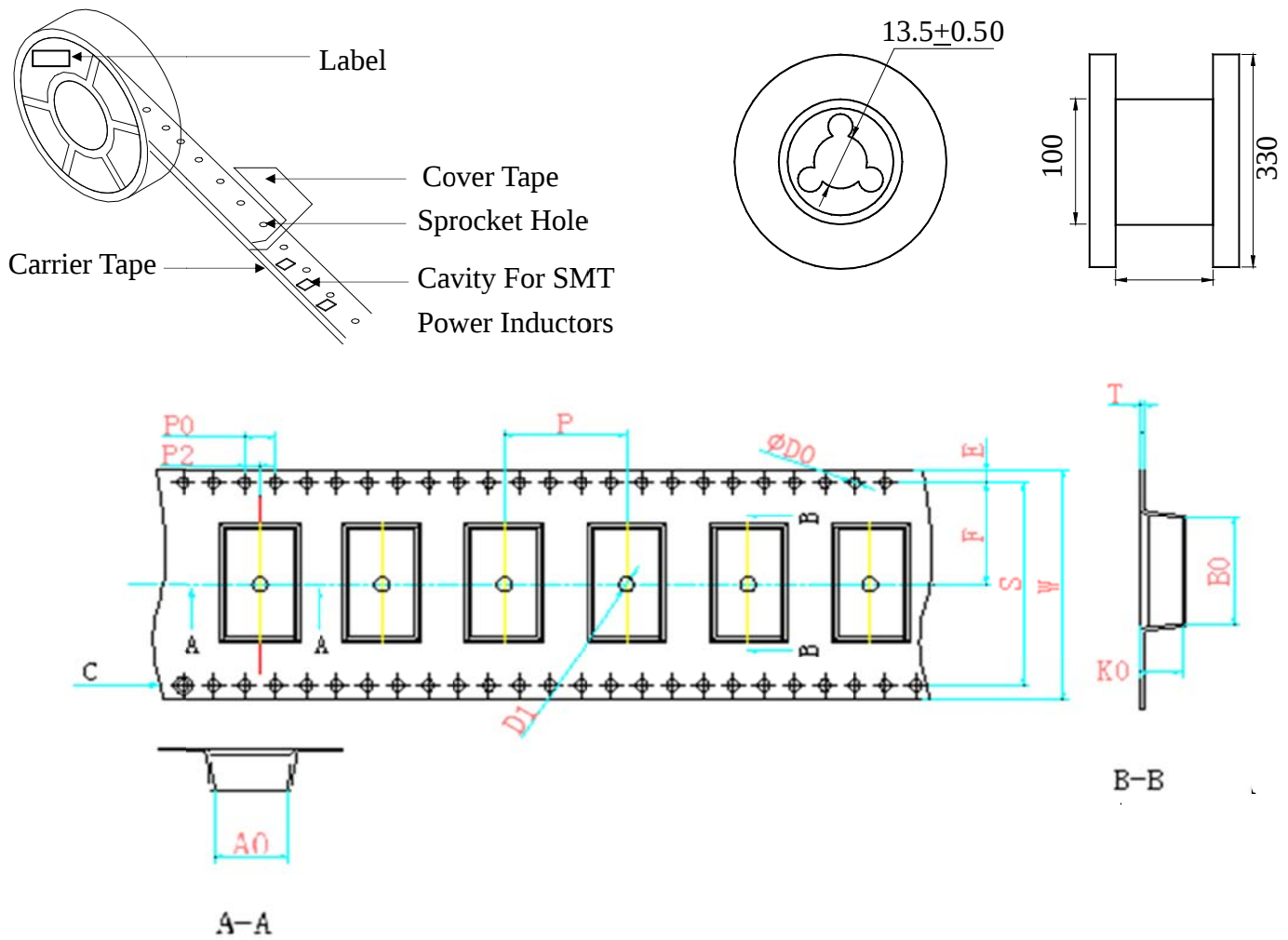
1. Test frequency: L: 100 KHz /1.0v.
2. All test data referenced to 25°C ambient.
3. Temperature Rise Current: Δ T 40°C approximately at Irms.
4. Saturation Rated Current: Inductance drop approximately 30% at Isat.
5. Storage temp.: -40°C ~ 85°C.
6. Storage R.H: 20% ~ 75%.
7. Operating temp.: -55°C ~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

3. DC Bias Characteristics (Typical)

EM-21BM76V01



PACKAGING SPECIFICATION FOR SMD POWER INDUCTORS (unit: mm)



	W	P	E	F	A0	B0	K0	t
150902/ EM-87V	32.0+0.10/-0.30	16.0±0.10	1.75±0.10	14.20±0.10	9.1±0.10	16.7±0.10	2.3±0.10	0.35±0.05
150903/ EM-88V	32.0+0.10/-0.30	16.0±0.10	1.75±0.10	14.2±0.10	9.1±0.10	16.9±0.10	3.3±0.10	0.35±0.05
150904/ EM-68V	32.0+0.10/-0.30	16.0±0.10	1.75±0.10	14.2±0.10	9.1±0.10	17.4±0.10	4.5±0.10	0.40±0.05
150905/ EM-76V	32.0+0.10/-0.30	16.0±0.10	1.75±0.10	14.2±0.10	9.1±0.10	17.4±0.10	5.4±0.10	0.40±0.05

	Chip / Reel
150902/EM-87V	1000 pcs
150903/EM-88V	1000 pcs
150904/EM-68V	500 pcs
150905/EM-76V	500 pcs