

1. Part No. Expression

S M C 1 0 0 7 R 1 7 L A F

(a) (b) (c) (d)(e)(f)

(a) Series Code

(b) Dimension Code

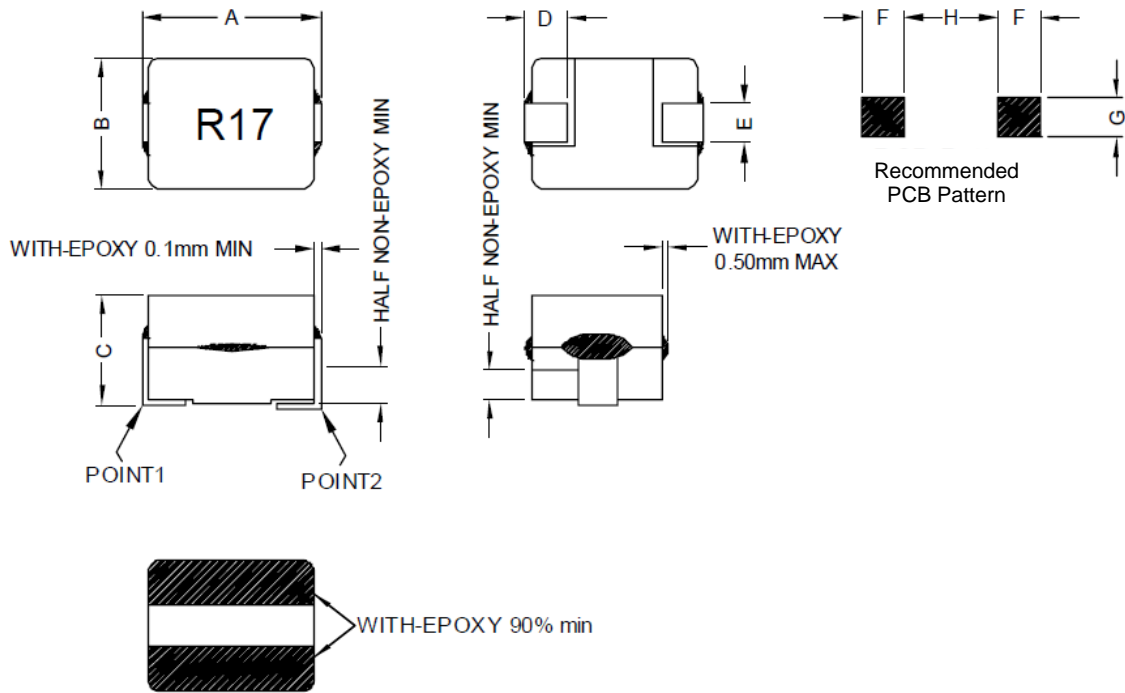
(c) Inductance Code

(d) Tolerance Code

(e) Special Products

(f) RoHS Compliant

2. Configuration & Dimensions (Unit: mm)



A	B	C	D	E	F	G	H
10.40 Max	8.00 Max	7.30±0.30	2.54±0.30	2.30±0.20	3.29 Ref	2.79 Ref	4.32 Ref

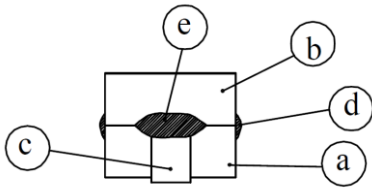
3. Schematic



NOTE: Specifications subject to change without notice. Please check our website for latest information.



4. Material List



- a) Core
- b) Core
- c) Clip
- d) Adhesive
- e) Adhesive

5. General Specification

- a) Temp. Rise: 40°C Max. at Rated Current (I_{rms})
- b) ΔL/L0A: 30% Typ. at I_{sat}
- c) Operating Temperature: -40°C to +125°C
- d) Storage condition (component in its packaging)
 - i) Temperature: -10 to +40° C
 - ii) Humidity: 60% RH

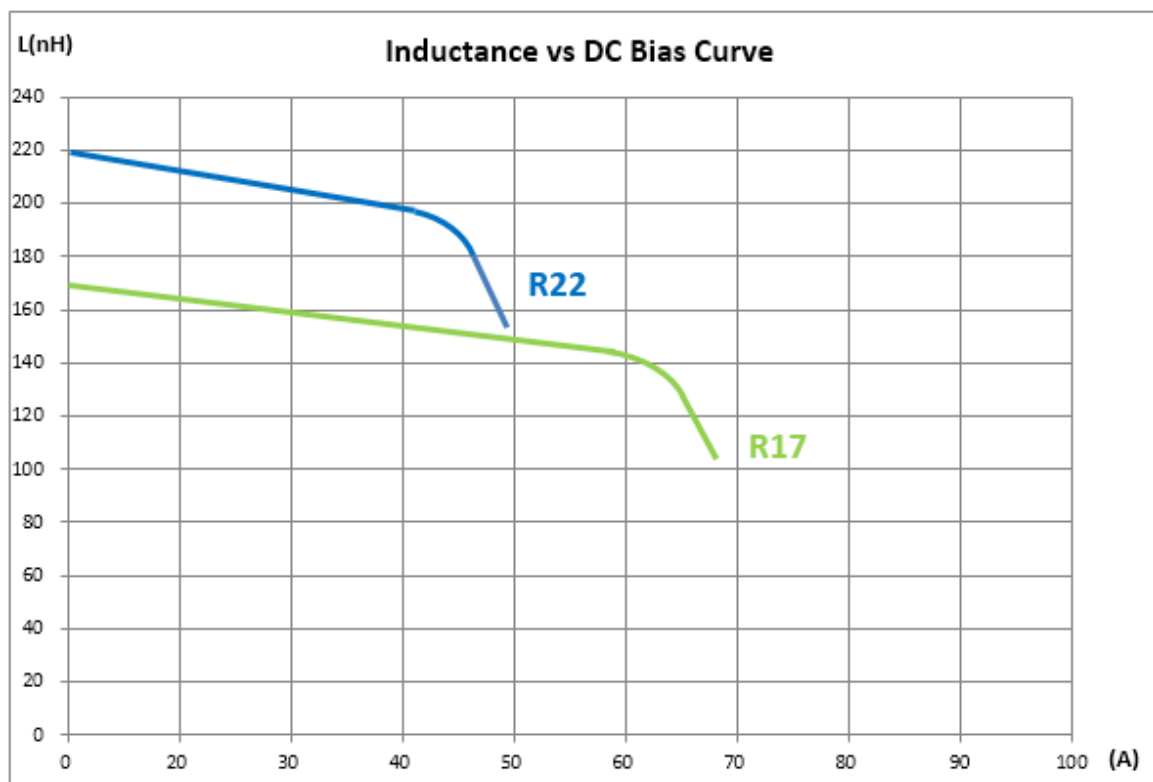
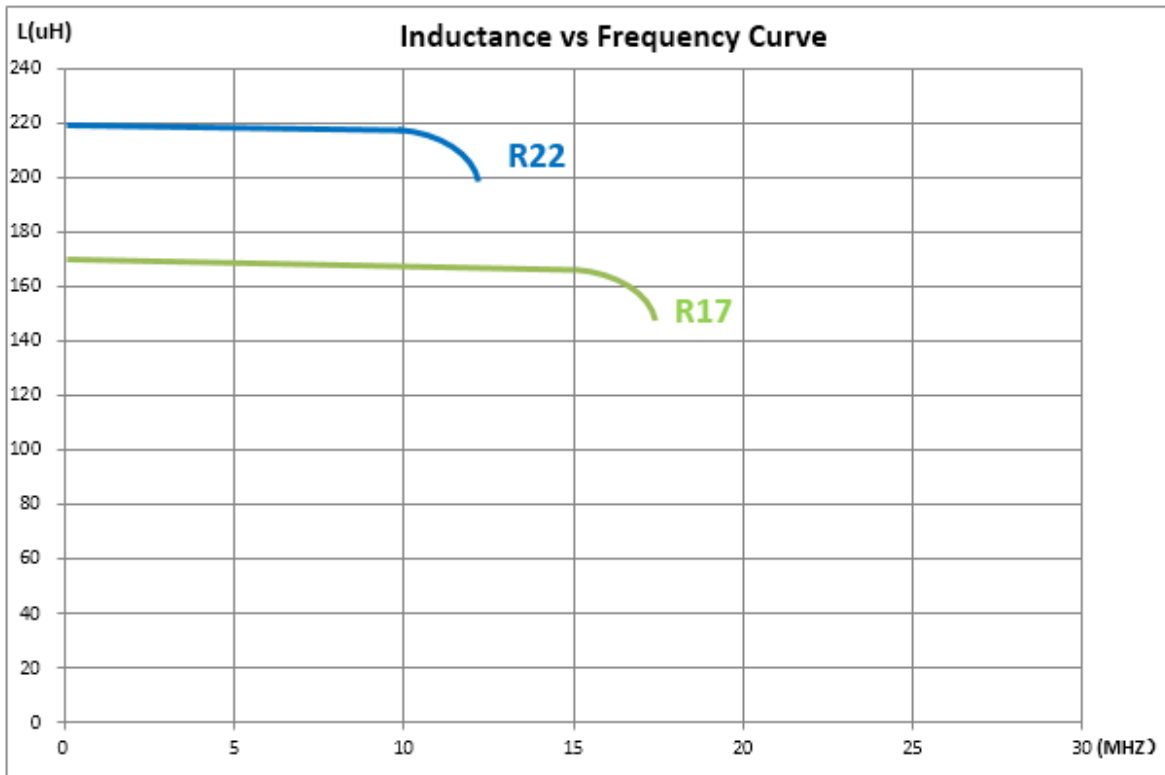
6. Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (Hz)	DC Resistance (mΩ) ±10%	I _{rms} (A)	I _{sat} (A)
SMC1007R17LAF	0.17 ± 15%	1V/100K	0.29	61	60
SMC1007R22KAF	0.215 ± 10%	1V/100K	0.29	61	44

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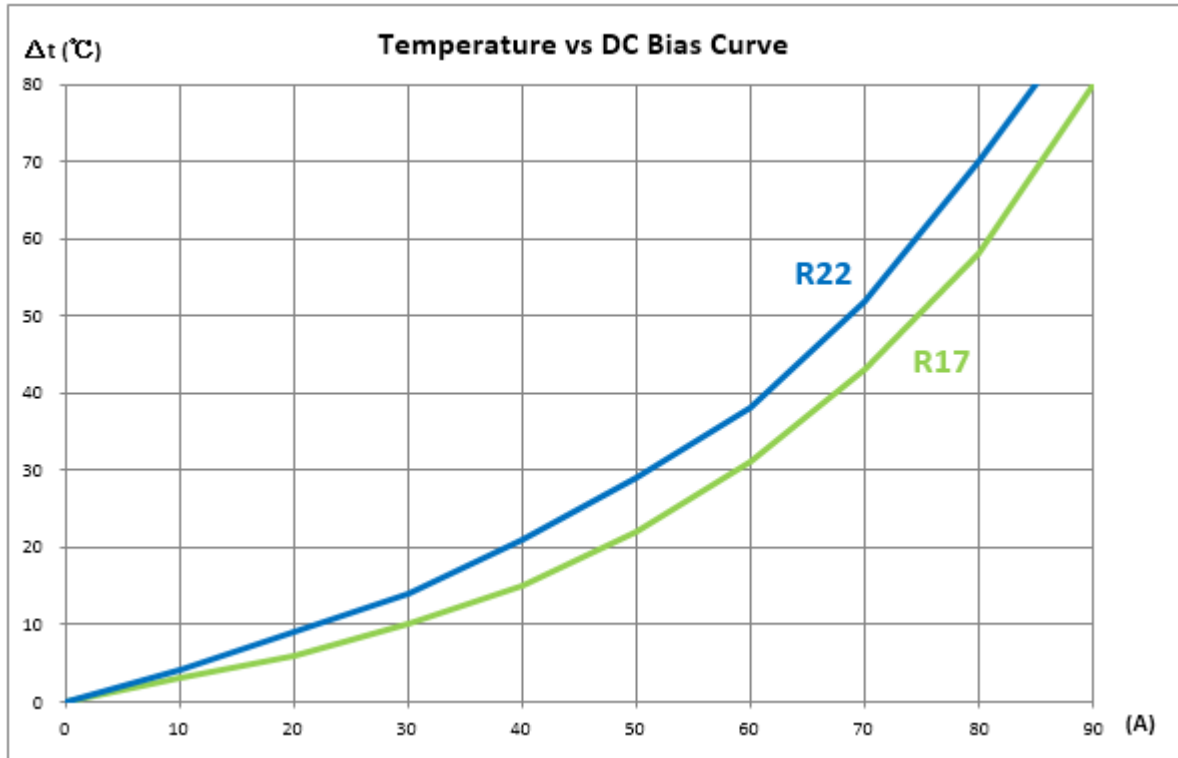


7. Characteristics Curves



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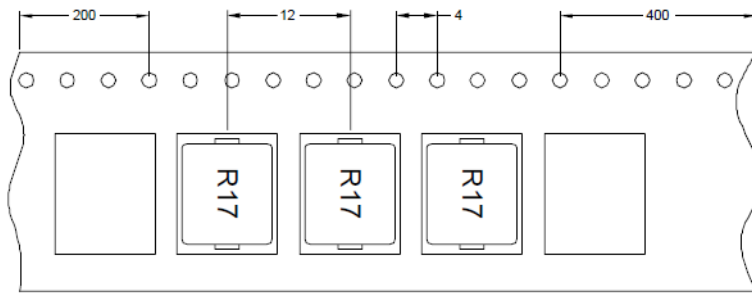
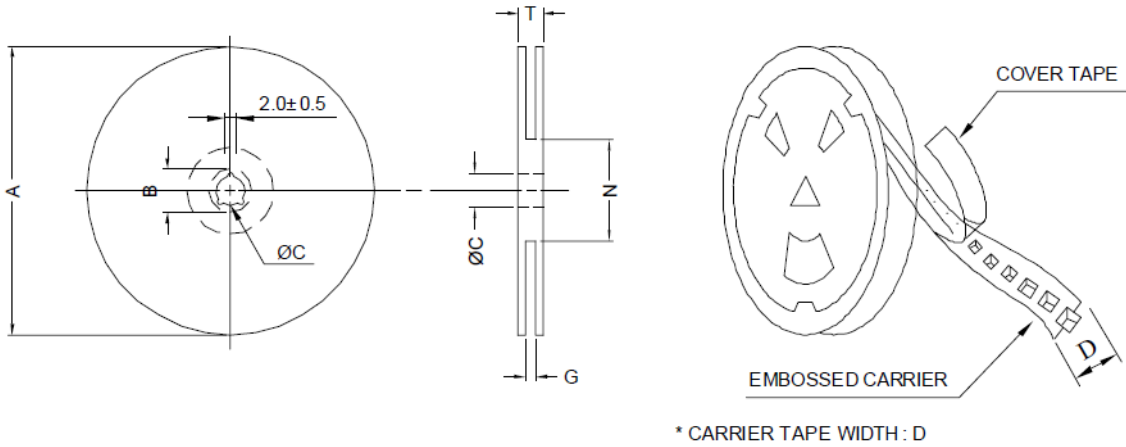


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8. Packaging Information

8-1. Configuration



8-2. Dimensions (Unit: mm)

Style	A	B	C	D	G	N	T
13-24	330	21±0.8	13±0.5	24	26 Max.	50 Min.	30.4

8-3. Quantity & G.W. Per Package

Series	Inner: Reel			Outer: Carton		
	Qty (pcs)	G.W (gw)	Style	Qty (pcs)	G.W (kg)	Size (cm)
SMC1007	500	1575	13-24	2000	7.3	38 x 36.5 x21

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