

1. Part No. Expression

S M C 1 2 0 8 R 2 3 X A F

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

(a) Series Code

(b) Dimension Code

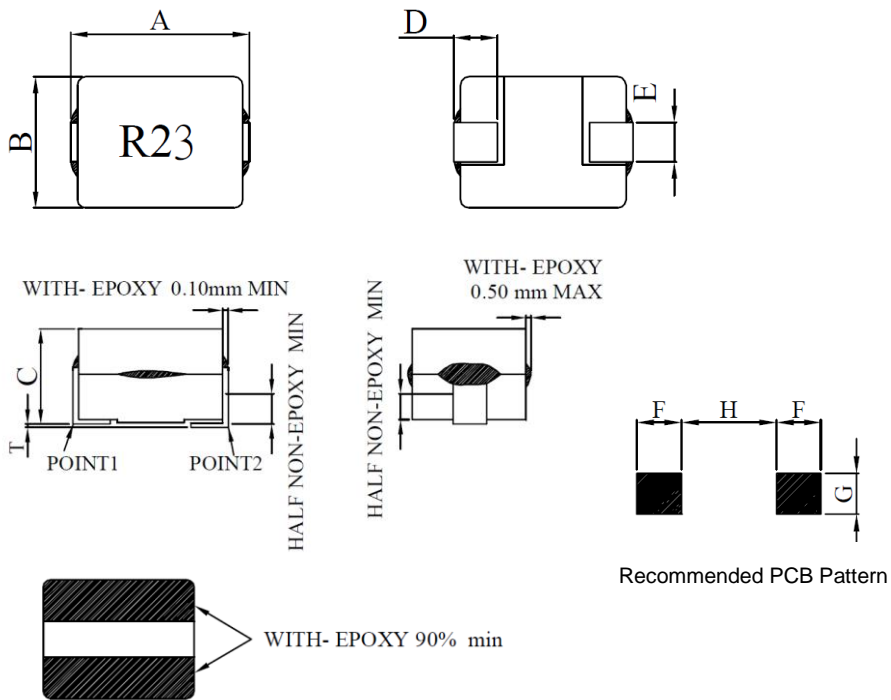
(c) Inductance Code

(d) Tolerance Code

(e) Special Products

(f) RoHS Compliant

2. Configuration & Dimensions (Unit: mm)



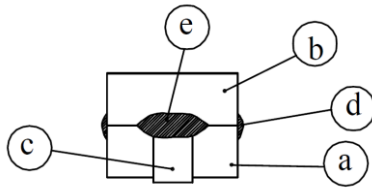
A	B	C	D	E	F	G	H
12.0 Max.	8.00 Max.	7.00 Max.	2.54±0.30	3.00±0.20	3.40 Ref.	3.50 Ref.	6.00 Ref.

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: 45°C Max. at Rated Current (I_{rms}) keep 1 minute
- b) ΔL/L0A: 20% Typ. at I_{sat}
- c) Operating Temperature: -40°C to 125°C
- d) Storage Temperature: -40°C to 125°C

6. Electrical Characteristics

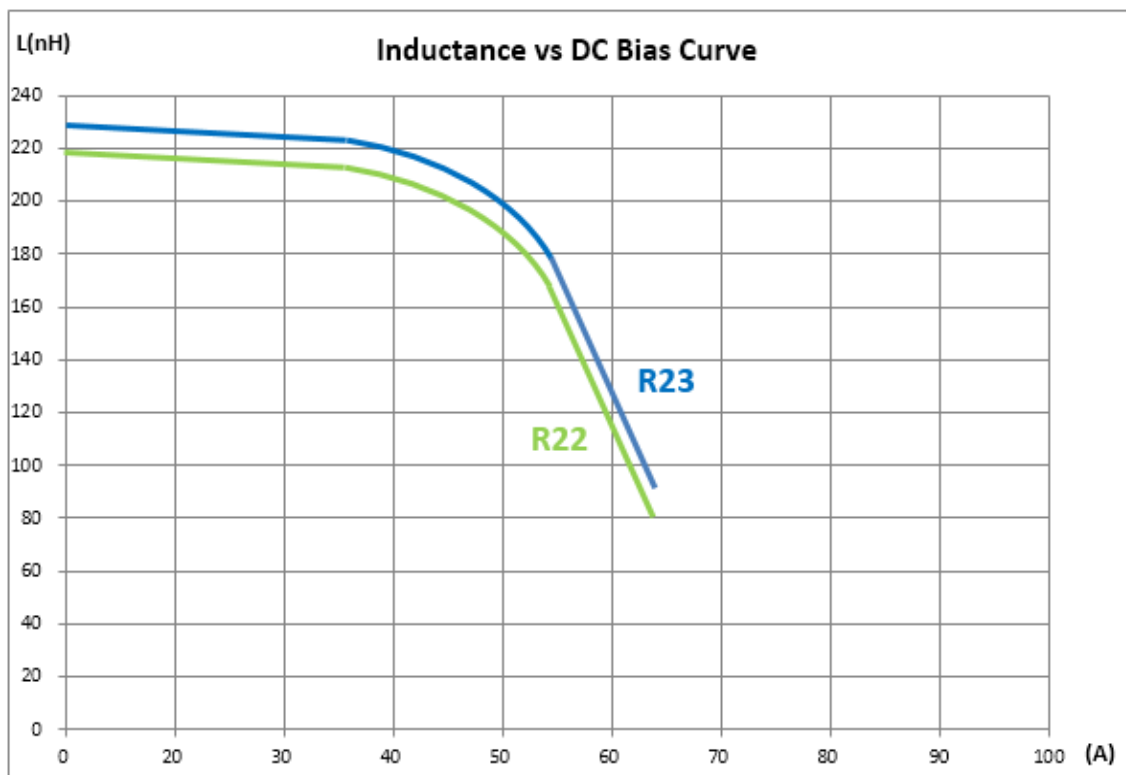
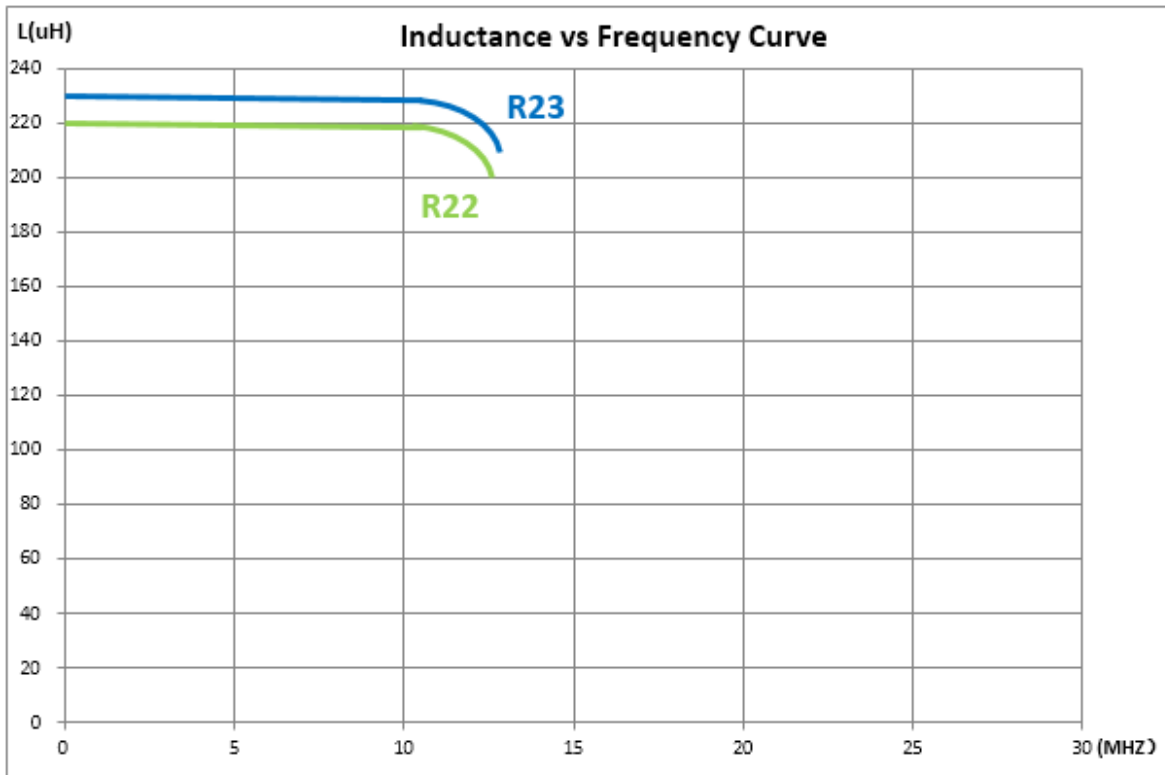
Part Number	Inductance (uH)	Test Frequency (Hz)	DC Resistance (mΩ) Max.	I _{sat1} (A) @25°C	I _{sat2} (A) @125°C	I _{rms} (A)
SMC1208R22XAF	0.22	1V/100K	0.31	54	35	50
SMC1208R23XAF	0.23	1V/100K	0.31	50	35	50

Tolerance: K=±10%; M =±20%

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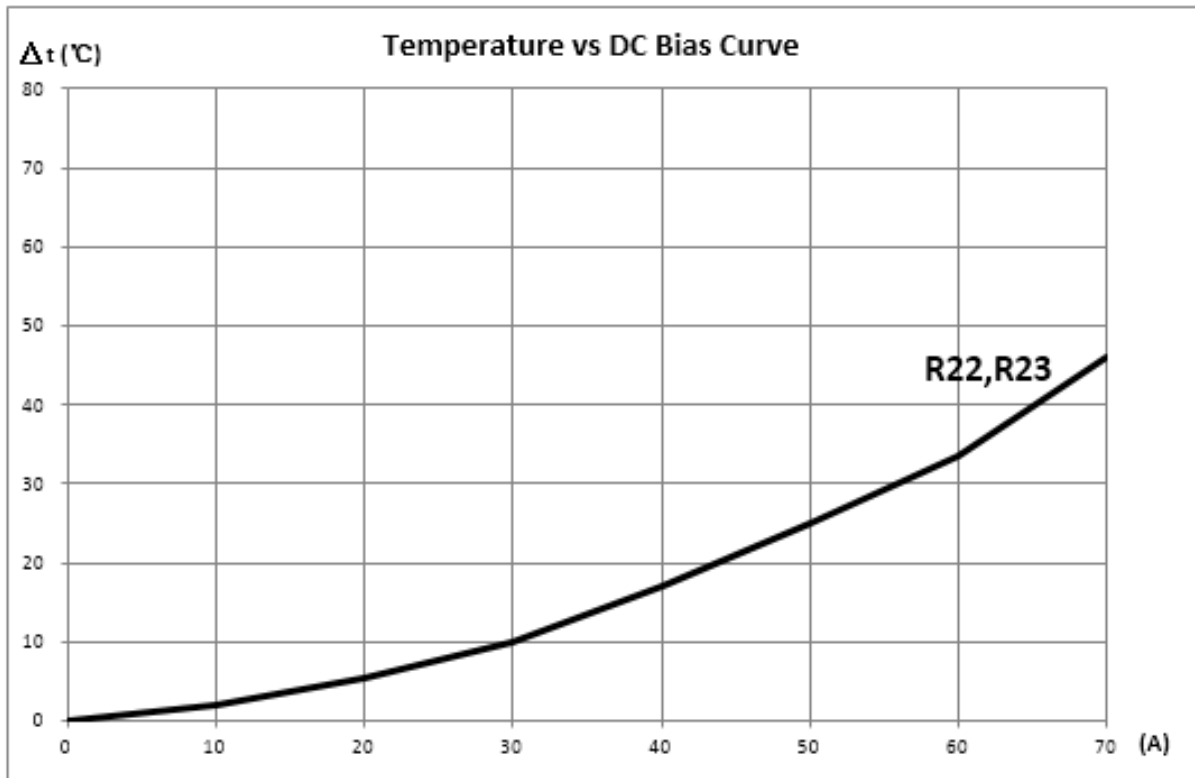


7. Characteristics Curves



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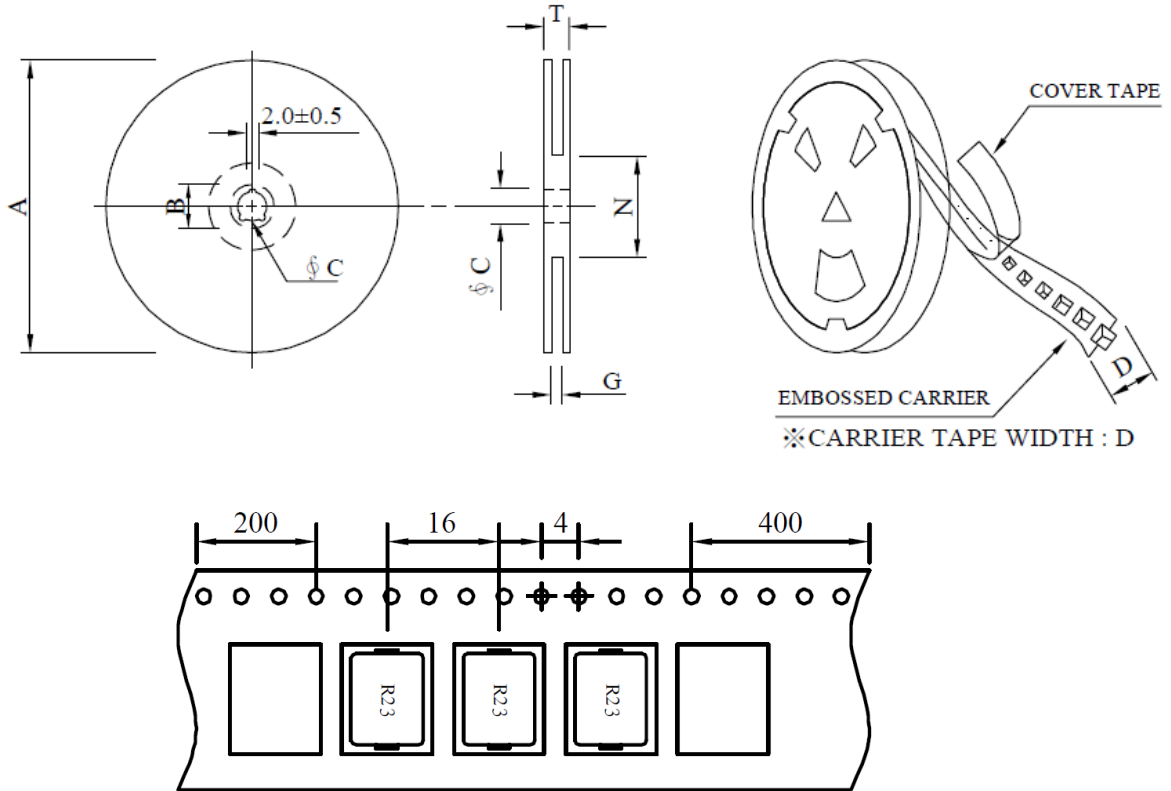


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8. Packaging Information

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)
SMC1208	500	1835	13-24	2000	8.34	38 x 36.5 x21

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