

1. Part No. Expression:

S M C 1 4 0 8 R 2 1 M Z F

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

(a) Series Code

(b) Dimension Code

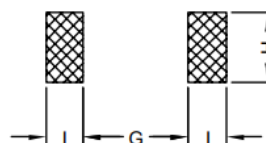
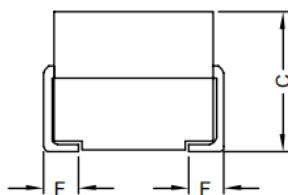
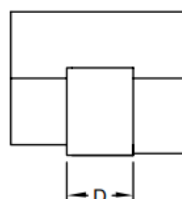
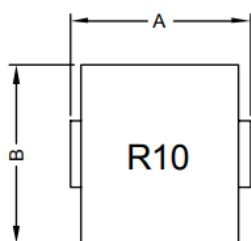
(c) Inductance Code

(d) Tolerance Code

(e) Standard Products

(f) RoHS Compliant

2. Configuration & Dimensions :



Recommended PCB Pattern

Unit: mm

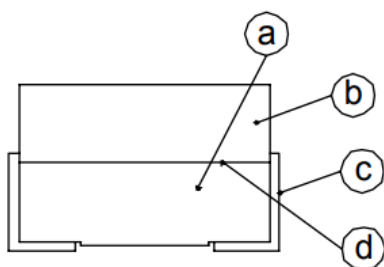
A	B	C	D	F	G	H	I
13.0 Max.	13.0 Max.	8.00 Max.	5.00±0.30	2.50±0.20	7.11 Ref.	7.62 Ref.	3.20 Ref.

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

5. General Specification

- a) Temp. Rise: 40°C Max. at Irms.
- b) $\Delta L/L0A$: 20% Max. at Isat
- c) Operating Temperature: -40°C to 125°C
- d) Storage Temperature: -40°C to 125°C

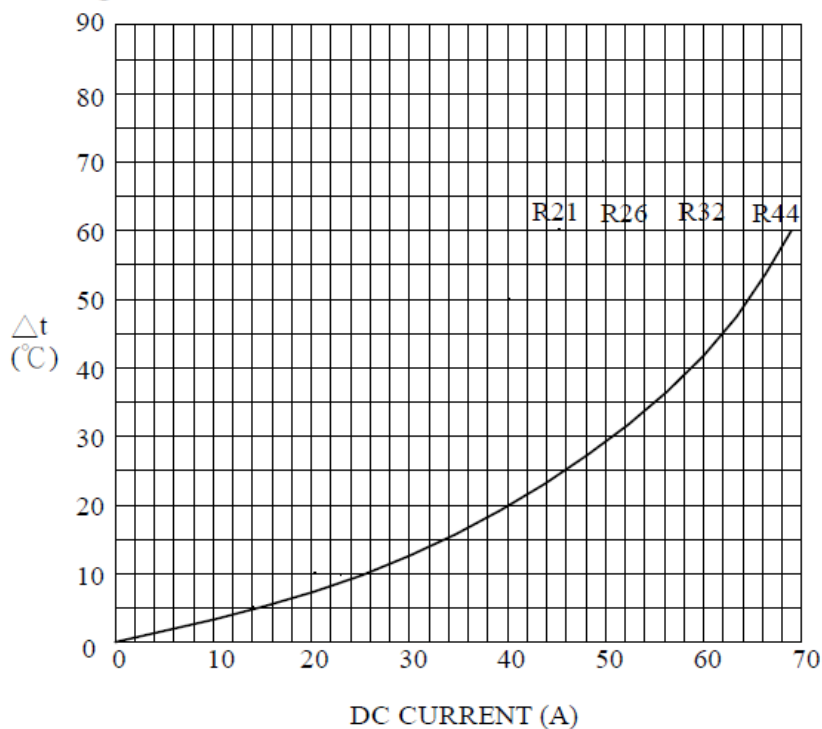
6. Electrical Characteristics

Part Number	Inductance (uH) $\pm 20\%$	Test Frequency (Hz)	DC Resistance (mΩ) Max.	Isat (A)	Irms (A)
SMC1408R21MZF	0.21	1V/100K	0.35	71	50
SMC1408R26MZF	0.26	1V/100K	0.35	60	50
SMC1408R32MZF	0.32	1V/100K	0.35	50	50
SMC1408R44MZF	0.44	1V/100K	0.35	35	50

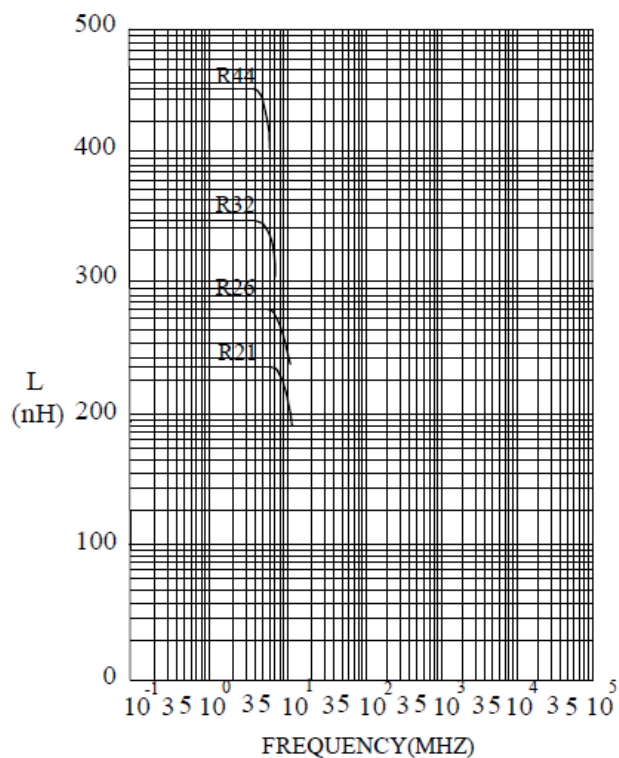
NOTE: Specifications subject to change without notice. Please check our website for latest information.

7. Characteristics Curves

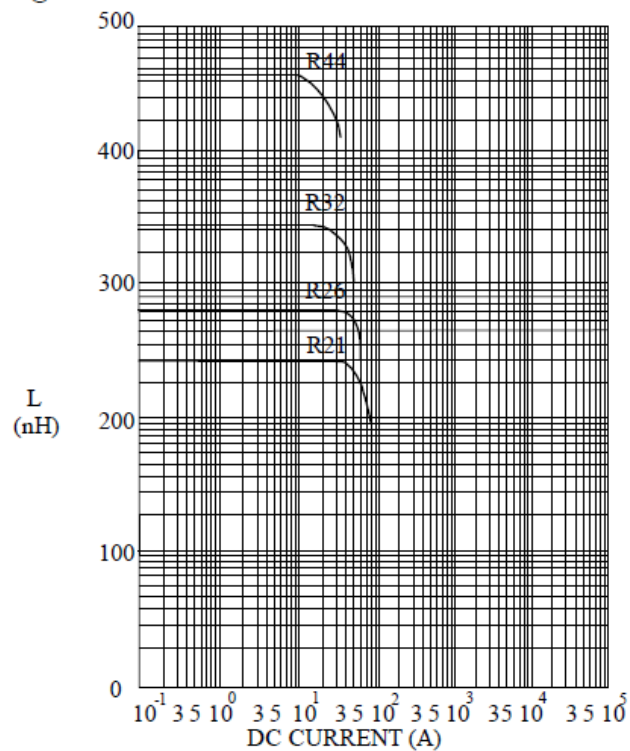
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



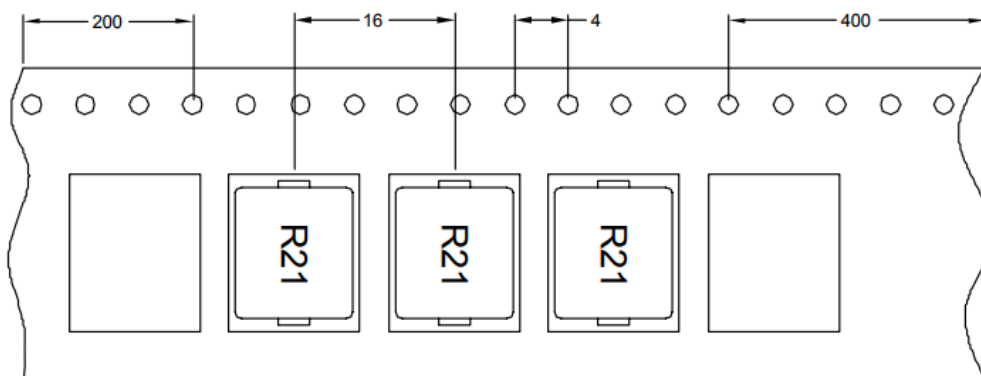
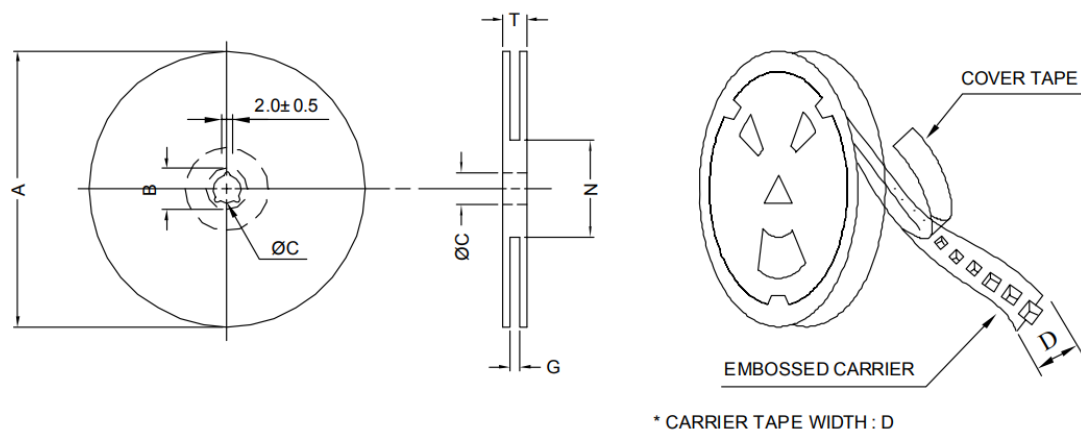
@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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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	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)
SMC1408	450	280	13-24	1800	12.42	38 x 36.5 x21

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