

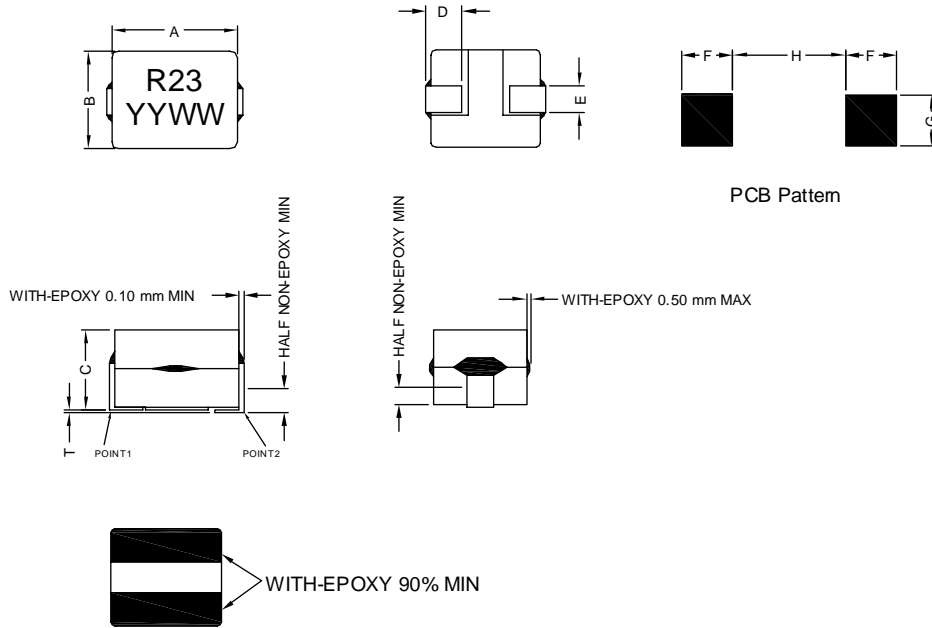
1. PART NO. EXPRESSION :

S M C 1 2 0 8 R 2 3 K A F
 (a) (b) (c) (d)(e)(f)

- (a) Series code
- (b) Dimension code
- (c) Inductance code : R23 = 0.23uH

- (d) Tolerance code : K = ± 10%
- (e) A : Special Products
- (f) F : RoHS Compliant

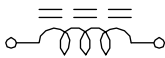
2. CONFIGURATION & DIMENSIONS :



Unit : mm

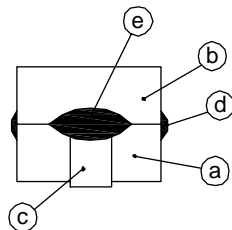
A	B	C	D	E	F	G	H
12.0 Max.	8.00 Max.	7.00 Max.	2.54± 0.30	3.00± 0.20	3.4 Ref.	3.5 Ref.	6.0 Ref.

3. SCHEMATIC :



4. MATERIALS :

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



RoHS Compliant

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

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5. GENERAL SPECIFICATION :

- a) Temp. Rise : 45° C Max. at Rated Current (I_{rms})
- b) $\Delta L / L_{0A}$: 20% Typ. at I_{sat}
- c) Operating Temperature : -40° C ---+125° C
- d) Storage condition (component in its packaging)
 - i) Temperature : -10 to 40° C
 - ii) Humidity : 60%

6. ELECTRICAL CHARACTERISTICS :

Part Number	Inductance (μ H)	Test Frequency (Hz)	DC Resistance (m Ω) Max.	I _{sat} 1 (A) @ 25° C	I _{sat} 2 (A) @ 125° C	I _{rms} (A)
SMC1208R23KAF	0.23 \pm 10%	1V/100K	0.31	50	35	50



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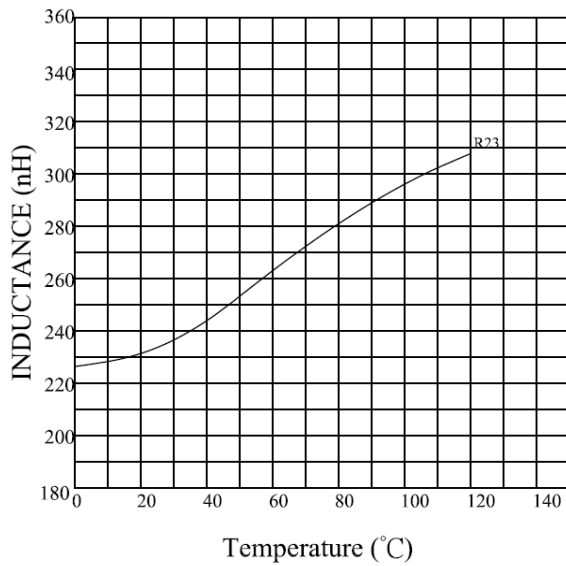
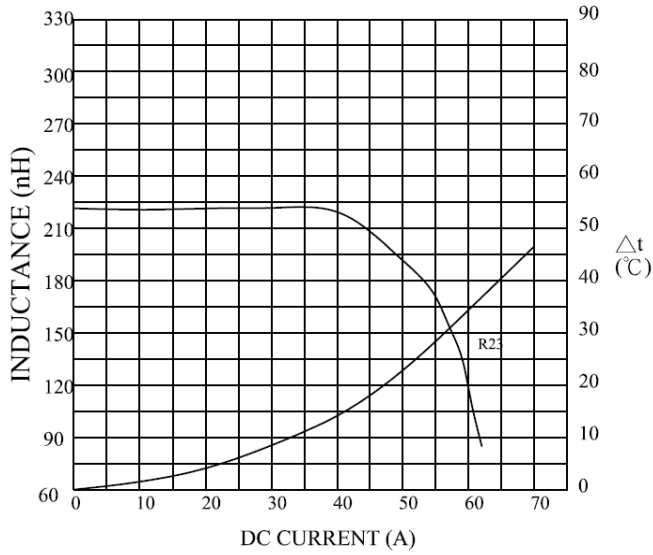
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PG. 2

7. CHARACTERISTICS CURVES :



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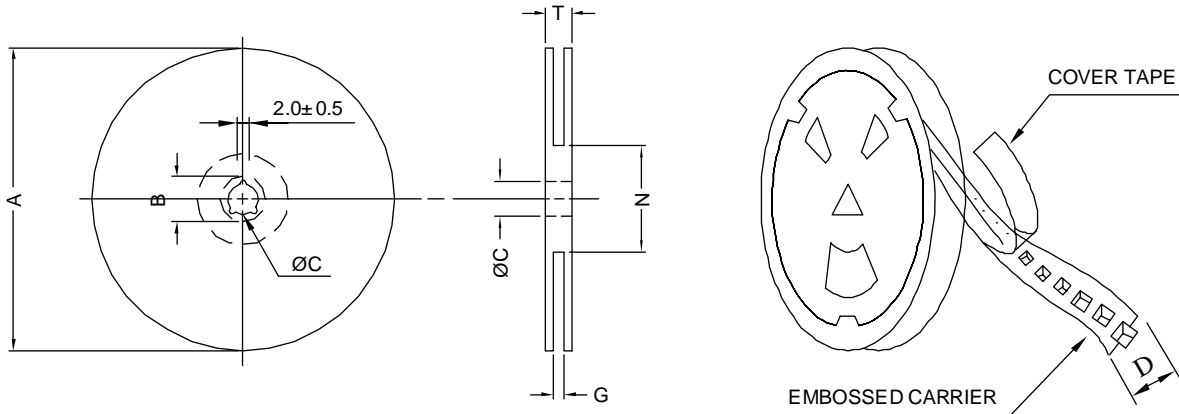
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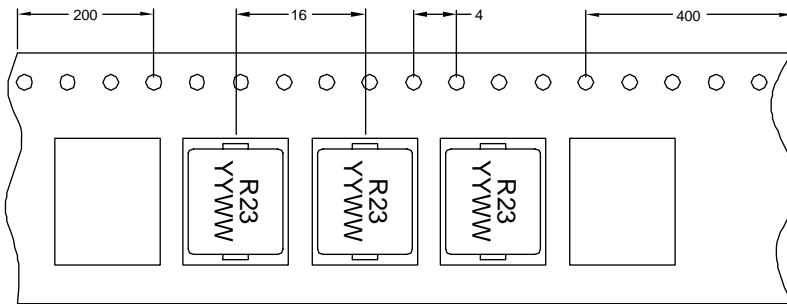
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8. PACKAGING INFORMATION :

(1) CONFIGURATION



* CARRIER TAPE WIDTH : D



(2) DIMENSIONS

Unit:m/m

STYLE	A	B	C	D	G	N	T
13-24	330	21±0.8	13±0.5	24	26 ⁺⁰	50 ⁻⁰	30.4

(3) QTY & 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 x 21



RoHS Compliant

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