

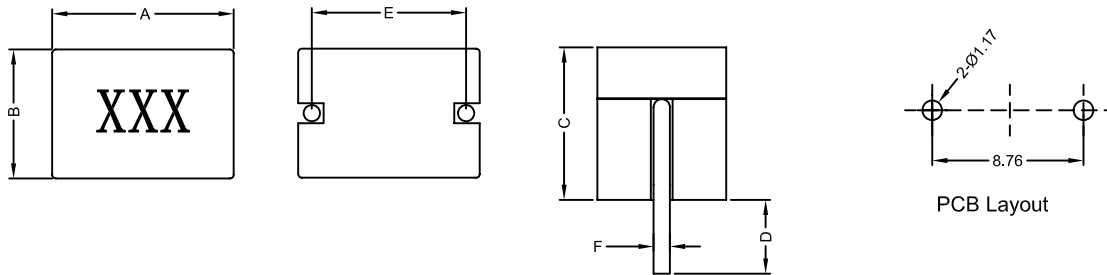
1. PART NO. EXPRESSION :

S S P 1 0 0 7 M R 1 4 L F - □ □
(a) (b) (c) (d) (e)(f) (g)

- (a) Series code
(b) Dimension code
(c) Type code

- (d) Inductance code : R14 = 0.14uH
(e) Tolerance code : M = $\pm 20\%$, L = $\pm 15\%$, K = $\pm 10\%$
(f) F : RoHS Compliant
(g) 10 : Standard
11 ~ 99 : Internal control number

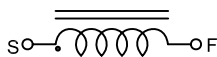
2. CONFIGURATION & DIMENSIONS :



Unit:m/m

A	B	C	D	E	F
10.54 Max.	7.5 Max.	8.9 Max.	3.5 $\pm$ 0.5	8.76 $\pm$ 0.5	Ø0.9

3. SCHEMATIC :



4. MATERIALS : :

- a) Core : Ferrite Core
b) Clip : Copper
c) Wire : 2UEW

5. GENERAL SPECIFICATION :

- (a) Operating temp. : -20° C to +125° C
(b) Storage condition (component in its packaging)
i) Temperature : -10 to 40° C
ii) Humidity : 60%



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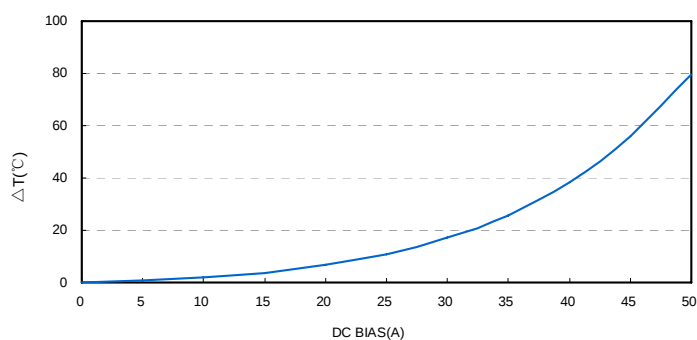
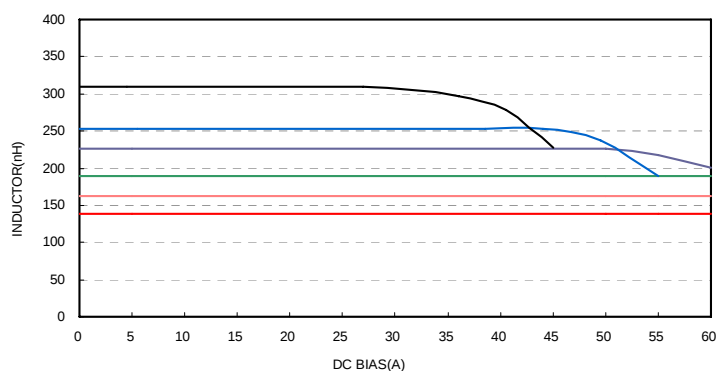


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6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance L0 (uH) ±15%	Test Frequency (Hz)	DCR (mΩ)±4.1% @ 25°C	Isat (A) ≧80%L0	Irms (A) ΔT≧40°C
SSP1007MR14LF	0.14	100K/1V	0.49	>80	40
SSP1007MR16LF	0.16	100K/1V	0.49	70	40
SSP1007MR19LF	0.19	100K/1V	0.49	65	40
SSP1007MR22LF	0.22	100K/1V	0.49	55	40
SSP1007MR25LF	0.25	100K/1V	0.49	50	40
SSP1007MR31LF	0.31	100K/1V	0.49	35	40

7. CHARACTERISTICS CURVES :



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PG. 2

8. SOLDERING AND MOUNTING :

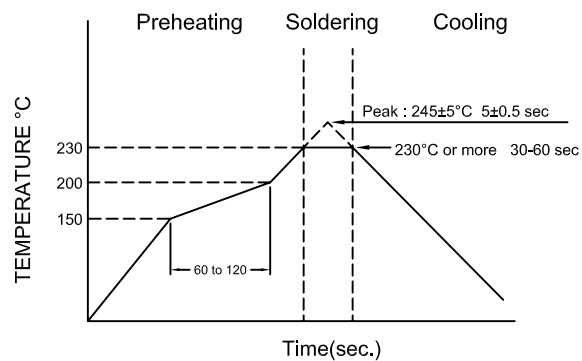


Figure 1. Re-flow Soldering

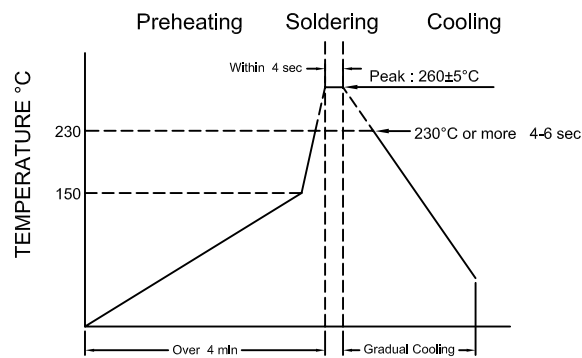


Figure 2. Wave Soldering

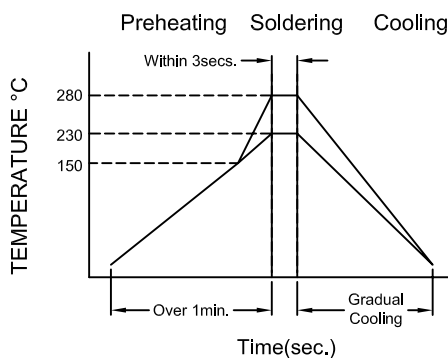


Figure 3. Hand Soldering



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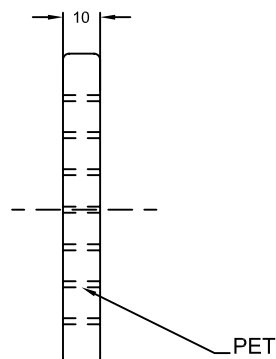
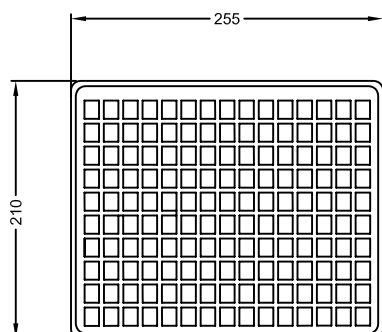


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PG. 5

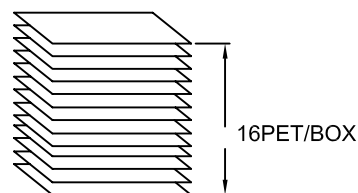
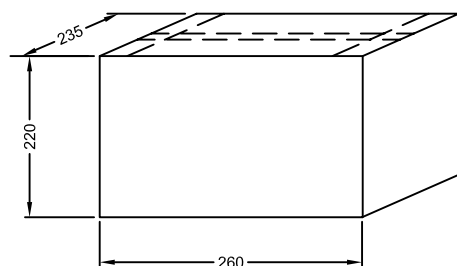
9. PACKAGING INFORMATION :

(1) Tray Dimension



PET Size: 255*210*10m/m

QUANTITY: 150PCS/PET



BOX SIZE: 260*235*220m/m

QUANTITY: 16PET/BOX

(2) Packaging Quantity

P/N	Chip/Tray	Carton
SSP1007M	150pcs	2400pcs



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Storage

- a) Recommended products should be used within 6 months from the time of delivery.
- b) The packaging material should be kept where no chlorine or sulfur exists in the air.

Transportation :

- a) Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
- b) The use of tweezers or vacuum pick up is strongly recommended for individual components.
- c) Bulk handling should ensure that abrasion and mechanical shock are minimized.



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PG. 7