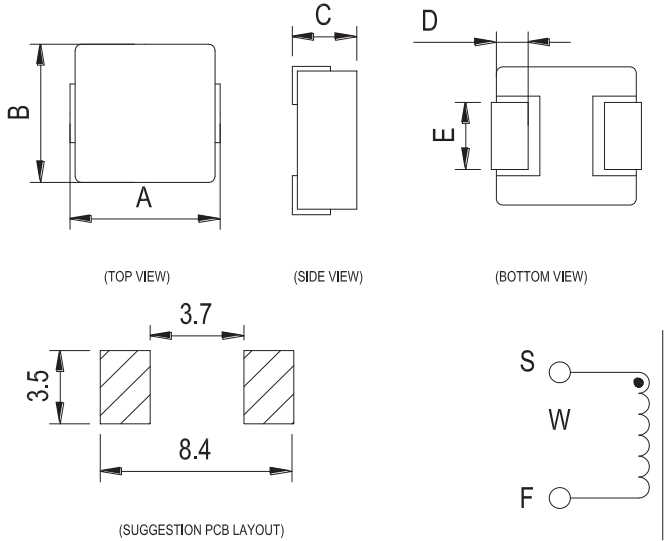


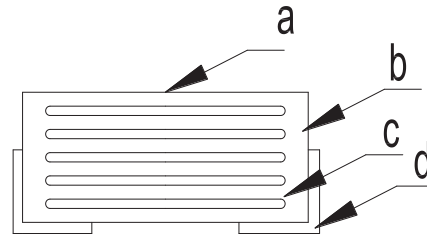
CONFIGURATION&DIMENSIONS:



- A: 5.8max mm
- B: 5.0±0.5 mm
- C: 3.0max mm
- D: 1.0±0.3 mm
- E: 2.0±0.3 mm

MATERIALS:

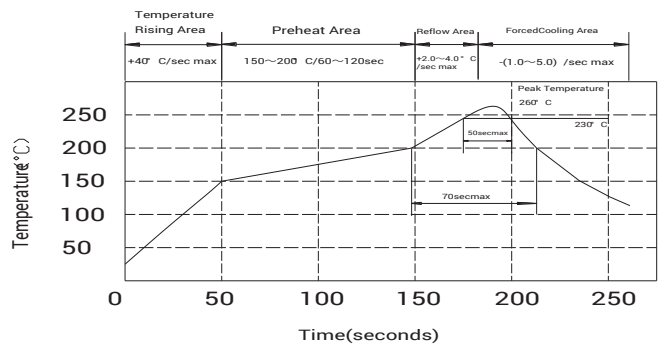
NO.	DESCRIPTION
a.	INKING
b.	CORE
c.	WIRE
d.	CLIP



GENERAL SPECIFICATION:

- All test data is referred to 25°C ambient.
- Idc:DC current (A)that will cause an approximate ΔT of 40°C (Typical)
- Isat:DC current (A) that will cause Lo to drop approximately 30%(Typical)
- Operatomp temperature range -55°C to +125°C.
- Inductance tolerance± 20%.
- The part temperature(ambient+temp rise)should not exceed 125 °C under worse case operating conditions.

PeakTemp:260 max
 Max time above230 C:50secmax
 Max time above200 C:70secmax



Circuit design,component placement,PWB trace size and thickness,airflow and other cooling provision all affect the part temperature.Part temperature should be verified in the end application.

- The rated current as listed is either the saturation current or the heating current depending on which value is lower.

PART NO.	Ls	DCR (mΩ) MAX		Idc	Isat	TEST FREQ.
	(uH)0A	Typical	Maximum	dc(A) Typical	dc(A) Typical	(Hz)
D HPI0530-001.0	1.00	13.0	14.0	8.5	11.0	100K/0.1V
D HPI0530-001.2	1.20	15.0	16.0	8.5	11.0	100K/0.1V
D HPI0530-001.5	1.50	20.0	25.0	8.2	8.5	100K/0.1V
D HPI0530-002.2	2.20	25.0	29.0	7.0	7.5	100K/0.1V
D HPI0530-003.3	3.30	32.0	38.0	5.5	6.0	100K/0.1V
D HPI0530-004.7	4.70	50.0	60.0	4.5	5.0	100K/0.1V
D HPI0530-006.8	6.80	75.0	90.0	3.5	4.0	100K/0.1V
D HPI0530-010.0	10.00	110.0	125.0	3.2	3.5	100K/0.1V
D HPI0530-022.0	22.00	260.0	270.0	1.9	1.7	100K/0.1V