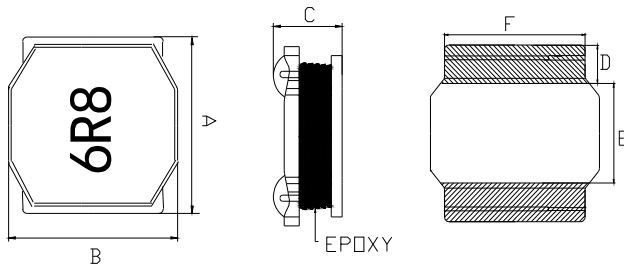
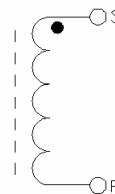
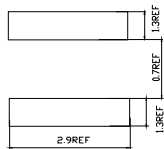


SHAPE & DIMENSION (UNIT:mm)


PAD LAYOUT(MM):

ELECREICAL SCHEMATIC:

Recommended land pattern


ELECREICAL SPECIFICATION

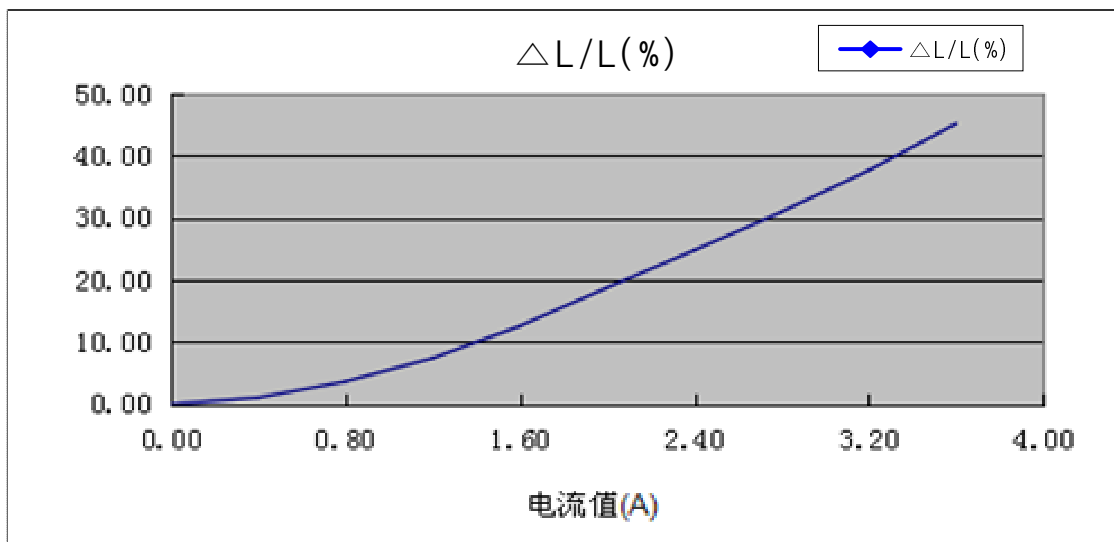
MEAS. ITEM	SPEC.				TEST FREQ.	CONDITIONS
L	6.8	μH	±	20%	1MHz//1V	Ta=25℃, Idc=0A
DCR	380	mΩ	Max.			Ta=25℃
Isat	1.4	A	Max.		100KHz//1V	ΔL/L ≤ 30%
Irms	1.3	A	Max.		100KHz//1V	ΔT ≤ 40℃

GENERAL SPECIFICATION

Electrical specifications :	at 25℃
Operation Temperature:	-40~+125℃
Storage Temperature:	-40~+125℃
(1) WIRE TYPE: E180 ∅ 0.10mm	
(2) WINDING: 20.5Ts (REF)	

Isat(飽和電流):電感瞬間的突波電流

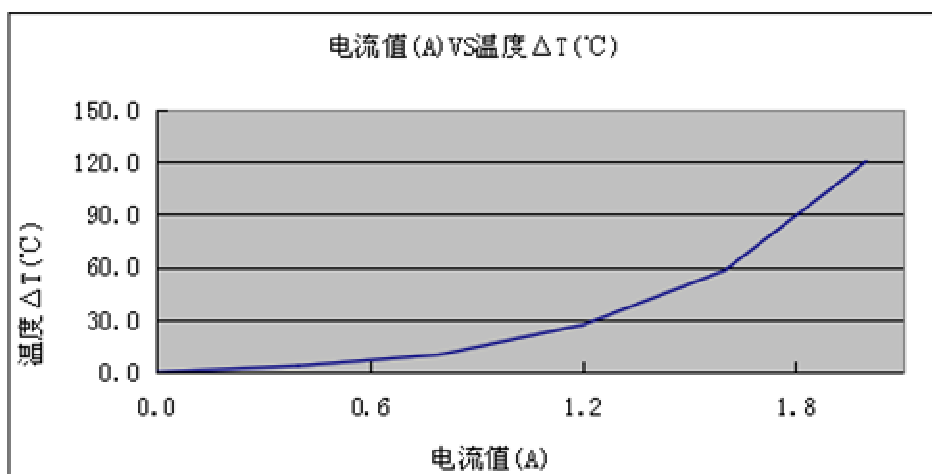
TME(秒)	Lsat(A)	L(UH)	$\Delta L/L(\%)$
1	0.0	7.41	0.00
1	0.4	7.33	1.07
1	0.8	7.14	3.64
1	1.2	6.86	7.42
1	1.6	6.47	12.60
1	2.0	6.01	18.80
1	2.4	5.57	24.80
1	2.8	5.11	31.00
1	3.2	4.61	37.70
1	3.6	4.06	45.20



單點溫昇

TIME(S)	Irms(A)	L(uH)	$\Delta L/L(\%)$	Temp($^{\circ}\text{C}$)	$\Delta T(^{\circ}\text{C})$
0	0.0	7.41	0.00	23.5	0.0
30	0.4	7.33	1.07	27.1	3.6
30	0.8	7.14	3.64	33.6	10.1
30	1.2	6.86	7.42	50.5	27.0
30	1.6	6.47	12.60	81.5	58.0
30	2.0	6.01	18.80	144.0	120.5
30	2.4	5.57	24.80		
30	2.8	5.11	31.00		
30	3.2	4.61	37.70		
30	3.6	4.06	45.20		

※DC bias current characteristics in the ambient temperature 25 $^{\circ}\text{C}$ Frequency 100KHz/1V

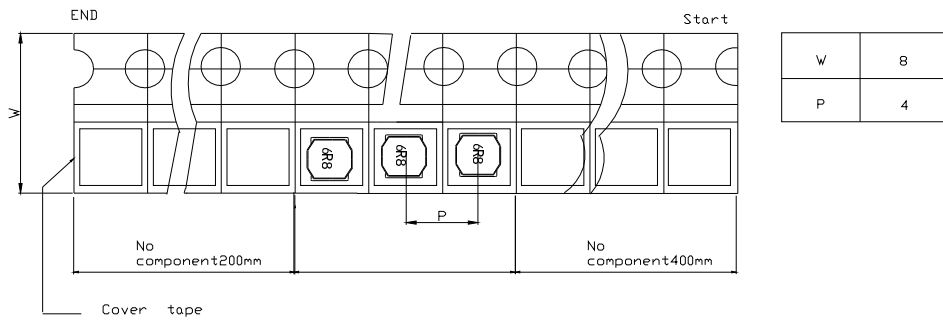


TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION					DIMENSION (Unit: mm)		
MEAS.							
ITEM	μH	$\text{m}\Omega$			长	宽	高
SPEC.	6.8	380			3.0 \pm 0.2	3.0 \pm 0.2	1.5MAX
	\pm	max					
	20%						
TEST FREQ.	1MHz/1V		Isat 1.4A	$\Delta\text{L}/\text{L} \leq 30\%$	mm	mm	mm
1	7.10	280	6.57	9.37	3.01	3.00	1.44
2	7.01	276	6.36	9.91	3.02	3.00	1.43
3	7.38	277	6.67	10.70	3.02	2.98	1.45
4	7.14	276	6.62	9.80	3.01	2.99	1.42
5	7.17	283	6.69	10.40	3.04	3.03	1.41
6	7.16	284	6.67	11.50	3.02	3.02	1.43
7	7.20	276	6.37	10.20	3.03	3.01	1.43
8	7.19	276	6.56	9.51	3.03	3.01	1.42
9	7.21	282	6.63	9.91	3.02	3.03	1.42
10	7.30	279	6.70	11.20	3.01	2.99	1.44
AVG.	7.19	279	6.58	10.25	3.02	3.01	1.43
R	0.37	11	0.34	2.13	0.03	0.05	0.04

PACKAGING

包装



Packaging
Quantity : **2,000** pcs/reel

Reel dimensions

UNIT : mm

