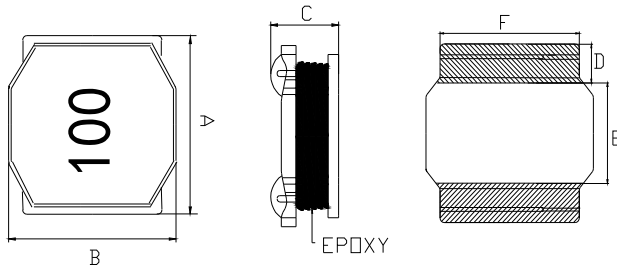
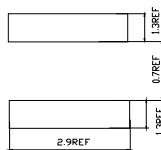


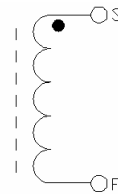
**SHAPE & DIMENSION (UNIT:mm)**


PAD LAYOUT(MM):

Recommended land pattern



ELECIREICAL SCHEMATIC:


**ELECIREICAL SPECIFICATION**

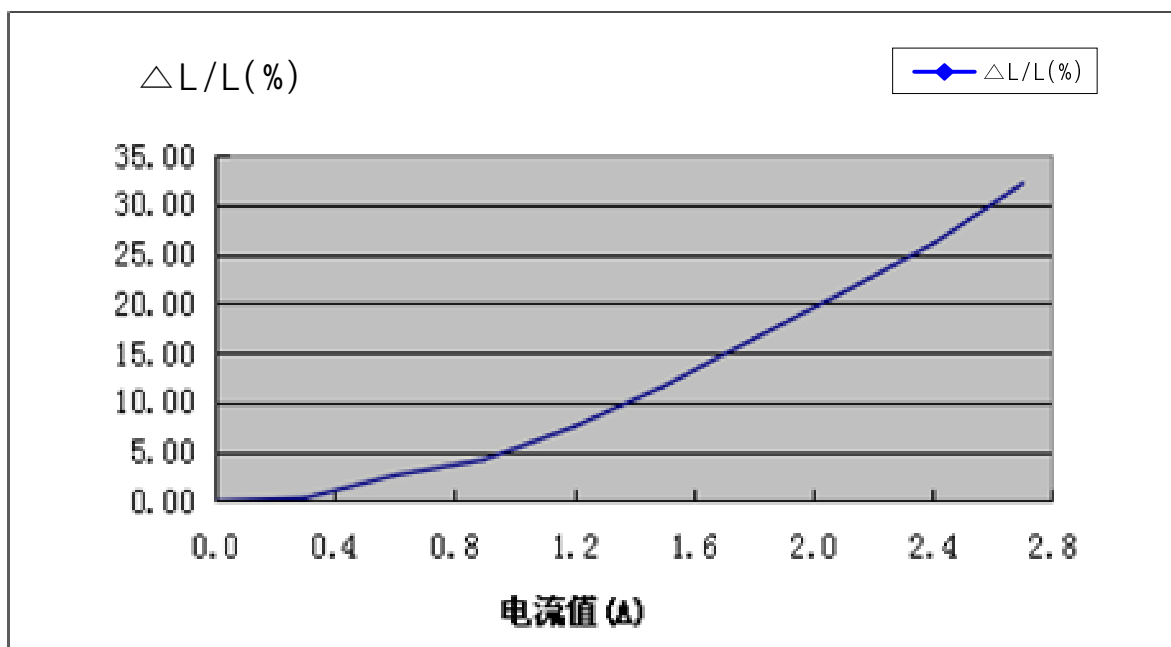
MEAS. ITEM	SPEC.				TEST FREQ.	CONDITIONS
<b>L</b>	<b>10</b>	<b>μH</b>	<b>±</b>	<b>20%</b>	<b>1MHz//1V</b>	<b>Ta=25℃, Idc=0A</b>
<b>DCR</b>	<b>492</b>	<b>mΩ</b>	<b>Max.</b>			<b>Ta=25℃</b>
<b>Isat</b>	<b>1.2</b>	<b>A</b>	<b>Max.</b>		<b>100KHz//1V</b>	<b>ΔL/L≤30%</b>
<b>Irms</b>	<b>1.2</b>	<b>A</b>	<b>Max.</b>		<b>100KHz//1V</b>	<b>ΔT≤40℃</b>

**GENERAL SPECIFICATION**

Electrical specifications :	at 25℃
Operation Temperature:	-40~+125℃
Storage Temperature:	-40~+125℃
(1) WIRE TYPE: E180 ∅ 0.09mm	
(2) WINDING: 25.5Ts (REF)	

Isat(飽和電流):電感瞬間的突波電流

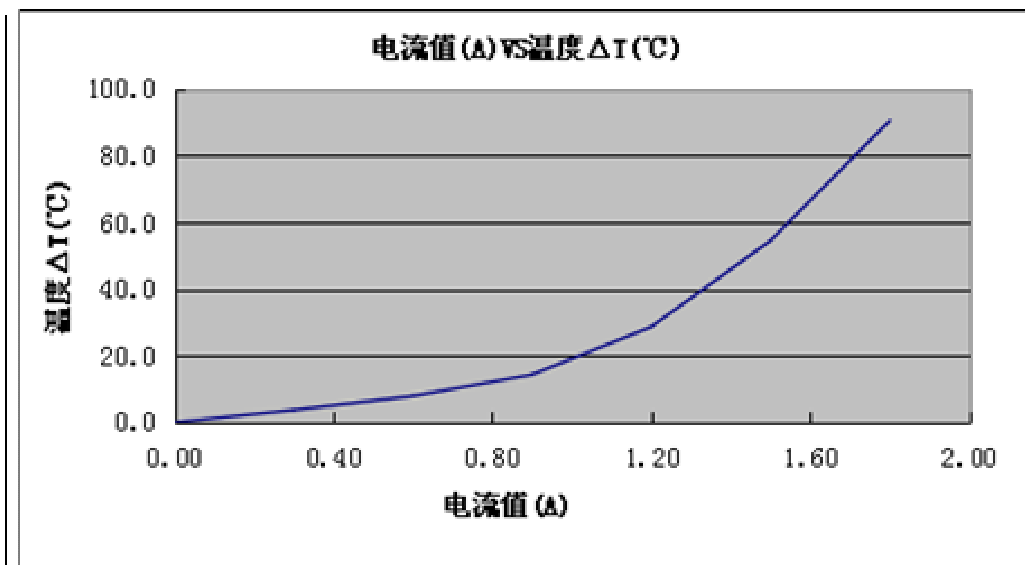
TME(秒)	Lsat(A)	L(UH)	$\Delta L/L(\%)$
1	1.00	9.55	0.00
1	0.30	9.52	0.31
1	0.60	9.30	2.61
1	0.90	9.15	4.18
1	1.20	8.83	7.53
1	1.50	8.44	11.6
1	1.80	7.98	16.4
1	2.10	7.53	21.1
1	2.40	7.06	26.0
1	2.70	6.48	32.1



**單點溫昇**

TIME(S)	Irms(A)	L(uH)	$\Delta L/L(\%)$	Temp( $^{\circ}\text{C}$ )	$\Delta T(^{\circ}\text{C})$
0	1.00	9.55	0.00	24.2	0.00
30	0.30	9.52	0.31	27.9	3.70
30	0.60	9.30	2.61	32.1	7.90
30	0.90	9.15	4.18	38.5	14.3
30	1.20	8.83	7.53	52.9	28.7
30	1.50	8.44	11.6	78.8	54.6
30	1.80	7.98	16.4	114.8	90.6
30	2.10	7.53	21.1		
30	2.40	7.06	26.0		
30	2.70	6.48	32.1		

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

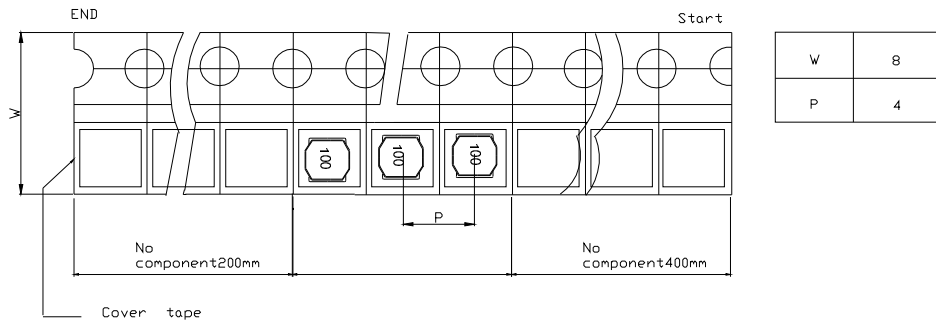


**TEST DATA FOR PREPRODUCTION SAMPLE**

TEST RESOLUTION					DIMENSION (Unit: mm)		
MEAS.							
ITEM	$\mu\text{H}$	$\text{m}\Omega$			长	宽	高
SPEC.	10	492			3.0 $\pm$ 0.2	3.0 $\pm$ 0.2	1.5MAX
	$\pm$	max					
	20%						
TEST FREQ.	1MHz/1V		Isat 1.2A	$\Delta\text{L}/\text{L} \leq 30\%$	mm	mm	mm
1	9.47	406	8.94	4.79	3.04	3.01	1.44
2	9.48	415	8.85	4.42	3.02	3.01	1.43
3	9.38	410	8.91	6.60	3.01	3.03	1.45
4	9.28	410	8.78	9.39	3.01	3.04	1.44
5	9.56	411	8.59	9.29	3.01	3.06	1.43
6	9.61	410	8.61	9.24	3.01	3.03	1.44
7	9.44	412	8.68	9.58	3.03	3.02	1.45
8	9.61	413	8.49	9.39	3.04	3.04	1.46
9	9.50	411	8.62	9.54	3.02	3.05	1.45
10	9.37	409	8.55	9.71	3.01	3.02	1.43
<b>AVG.</b>	<b>9.47</b>	<b>410</b>	<b>8.70</b>	<b>8.19</b>	3.02	3.03	1.44
<b>R</b>	<b>0.33</b>	<b>9.00</b>	<b>0.45</b>	<b>5.29</b>	0.03	0.05	0.03

**PACKAGING**

包装



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

**Reel dimensions**

UNIT : mm

