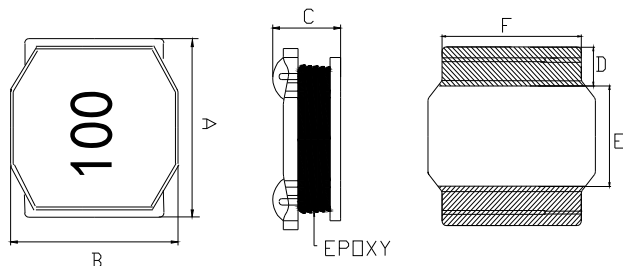
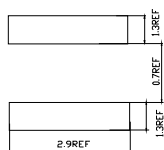


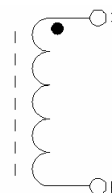
SHAPE & DIMENSION (UNIT:mm)


PAD LAYOUT(MM):

Recommended land pattern



ELECICAL SCHEMATIC:


ELECICAL SPECIFICATION

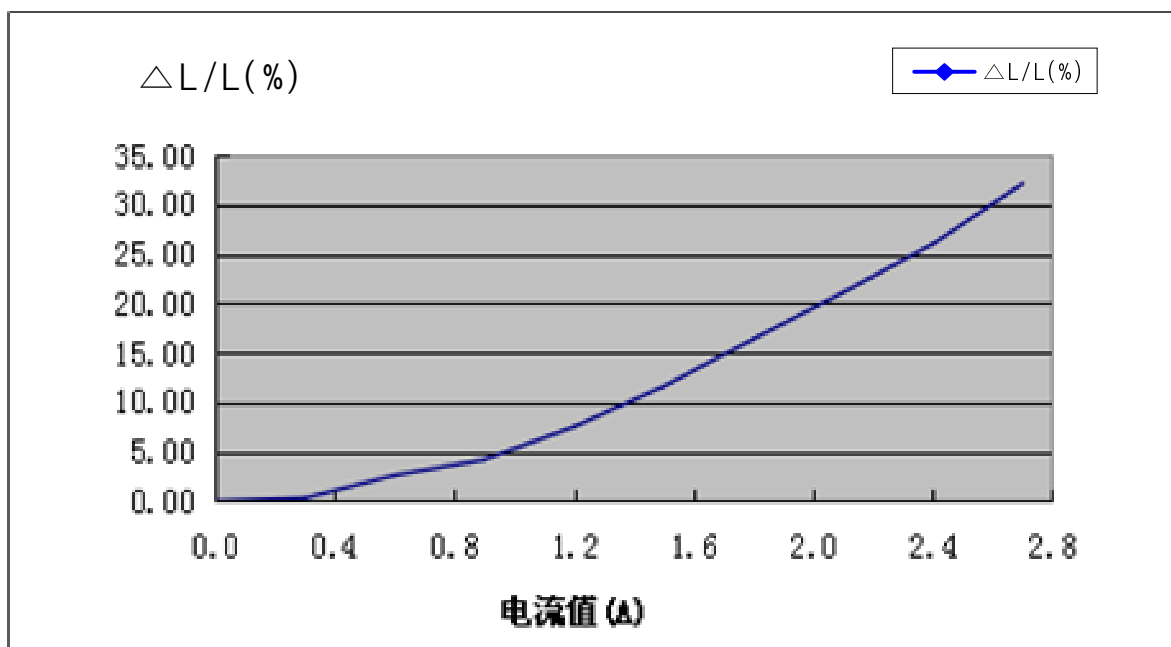
MEAS. ITEM	SPEC.				TEST FREQ.	CONDITIONS
L	10	μH	±	20%	1MHz//1V	Ta=25℃, Idc=0A
DCR	492	mΩ	Max.			Ta=25℃
Isat	1.2	A	Max.		100KHz//1V	ΔL/L≤30%
Irms	1.2	A	Max.		100KHz//1V	ΔT≤40℃

GENERAL SPECIFICATION

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

Isat(飽和電流):電感瞬間的突波電流

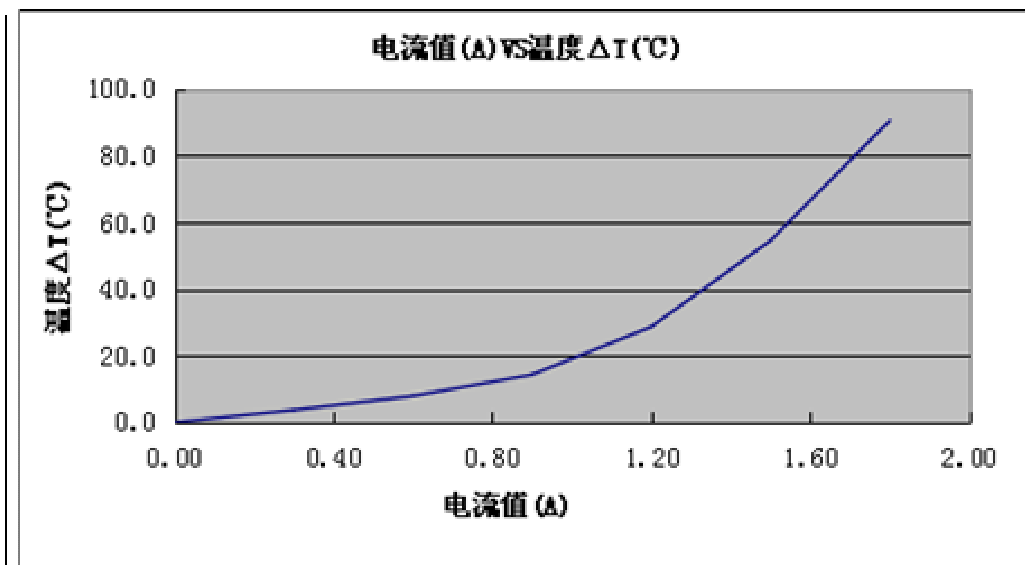
TME(秒)	Lsat(A)	L(UH)	$\Delta L/L(\%)$
1	1.00	9.55	0.00
1	0.30	9.52	0.31
1	0.60	9.30	2.61
1	0.90	9.15	4.18
1	1.20	8.83	7.53
1	1.50	8.44	11.6
1	1.80	7.98	16.4
1	2.10	7.53	21.1
1	2.40	7.06	26.0
1	2.70	6.48	32.1



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

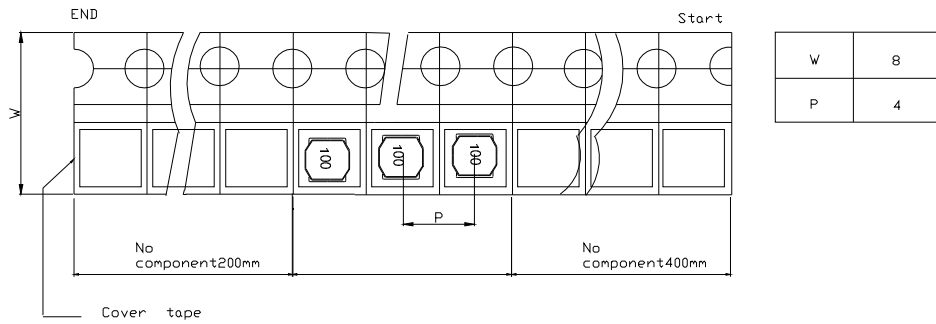


TEST DATA FOR PREPRODUCTION SAMPLE

TEST RESOLUTION					DIMENSION (Unit: mm)		
MEAS.							
ITEM	μH	$\text{m}\Omega$			长	宽	高
SPEC.	10	492			3.0±0.2	3.0±0.2	1.5MAX
	±	max					
	20%						
TEST FREQ.	1MHz/1V		Isat 1.2A	$\Delta L/L \leq 30\%$	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
AVG.	9.47	410	8.70	8.19	3.02	3.03	1.44
R	0.33	9.00	0.45	5.29	0.03	0.05	0.03

PACKAGING

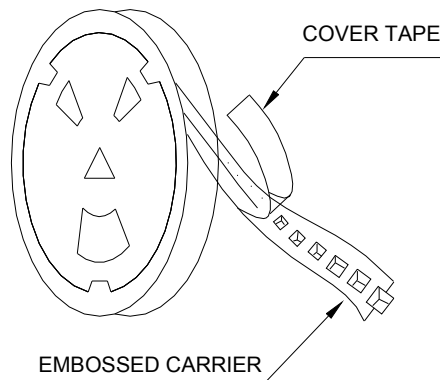
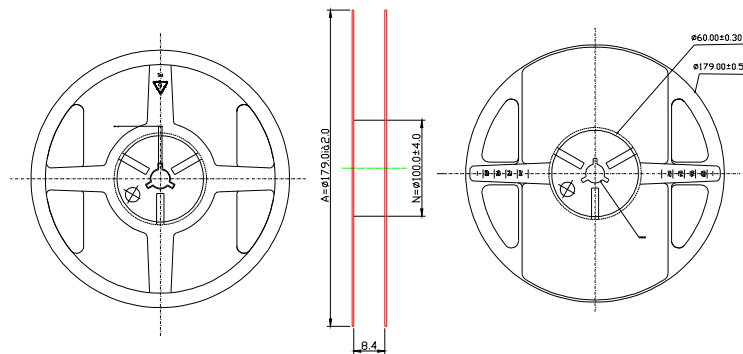
包装



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

Reel dimensions

UNIT : mm



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