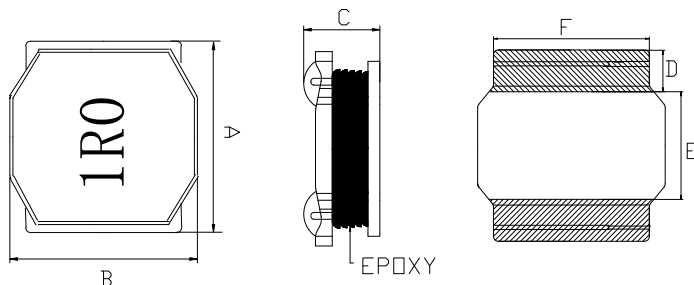
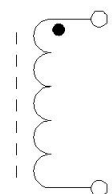
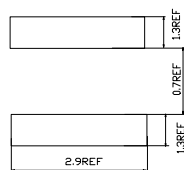


**SHAPE & DIMENSION (UNIT:mm)**


PAD LAYOUT(MM):

ELECREICAL SCHEMATIC:

Recommended land pattern


**ELECREICAL SPECIFICATION**

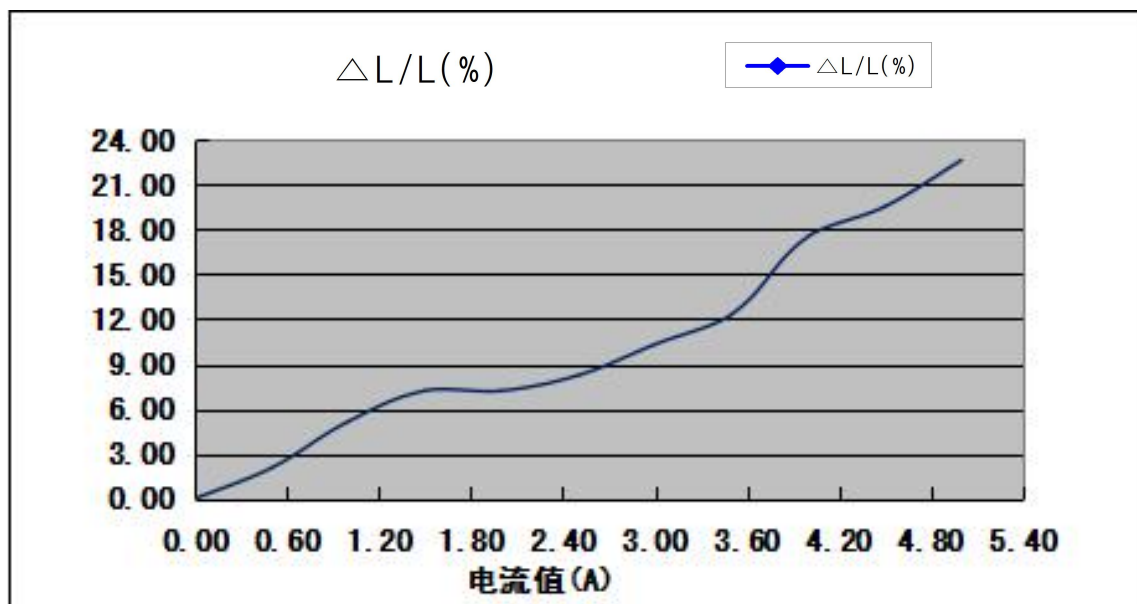
MEAS. ITEM	SPEC.				TEST FREQ.	CONDITIONS
<b>L</b>	<b>1.0</b>	<b>μH</b>	<b>±</b>	<b>20%</b>	<b>1MHz//1V</b>	<b>Ta=25°C, Idc=0A</b>
<b>DCR</b>	<b>85</b>	<b>mΩ</b>	<b>Max.</b>			<b>Ta=25°C</b>
<b>Isat</b>	<b>4.4</b>	<b>A</b>	<b>Max.</b>		<b>100KHz//1V</b>	<b>ΔL/L≤30%</b>
<b>Irms</b>	<b>3.2</b>	<b>A</b>	<b>Max.</b>		<b>100KHz//1V</b>	<b>ΔT≤40°C</b>

**GENERAL SPECIFICATION**

Electrical specifications :	at 25°C
Operation Temperature:	-40~+125°C
Storage Temperature:	-40~+125°C
(1)WIRE TYPE:H ∅ 0.15mm	
(2)WINDING:7.5Ts(REF)	

**Isat(飽和電流):電感瞬間的突波電流**

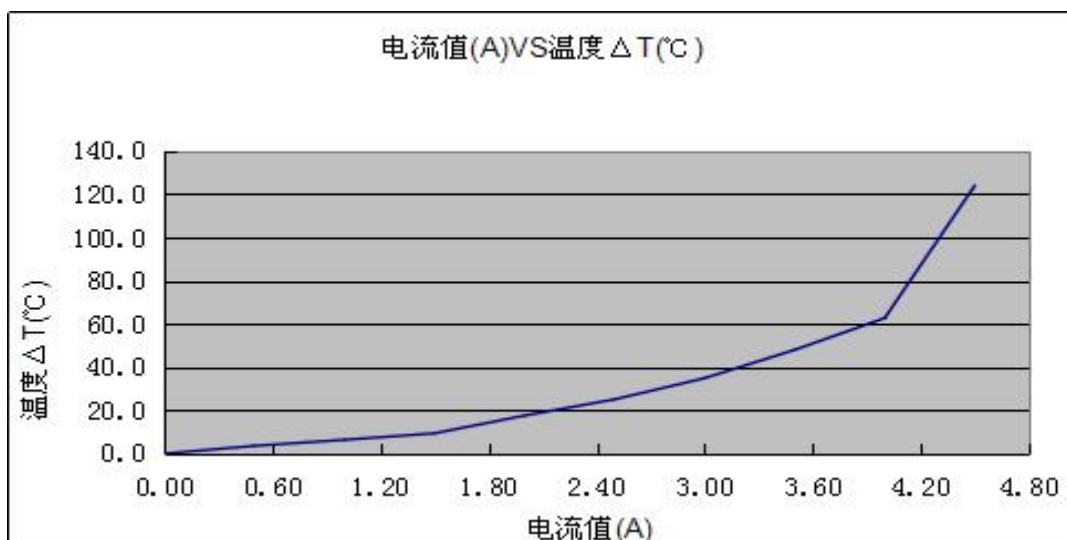
TME(秒)	Lsat(A)	L(UH)	$\Delta L/L(\%)$
1	0.00	0.97	0.00
1	0.50	0.95	2.06
1	1.00	0.92	5.15
1	1.50	0.90	7.21
1	2.00	0.90	7.21
1	2.50	0.89	8.24
1	3.00	0.87	10.3
1	3.50	0.85	12.3
1	4.00	0.80	17.5
1	4.50	0.78	19.5
1	5.00	0.75	22.6



## 單點溫昇

TIME(S)	I <sub>rms</sub> (A)	L(uH)	ΔL/L(%)	Temp(°C)	ΔT(°C)
0	0.00	0.97	0.00	22.0	0.00
30	0.50	0.95	2.06	25.6	3.60
30	1.00	0.92	5.15	28.4	6.40
30	1.50	0.90	7.21	31.4	9.40
30	2.00	0.90	7.21	39.6	17.6
30	2.50	0.89	8.24	47.1	25.1
30	3.00	0.87	10.3	56.9	34.9
30	3.50	0.85	12.3	70.0	48.0
30	4.00	0.80	17.5	84.7	62.7
30	4.50	0.78	19.5	146	124
30	5.00	0.75	22.6		

※DC bias current characteristics in the ambient temperature 25°C Frequency 100KHz/1V

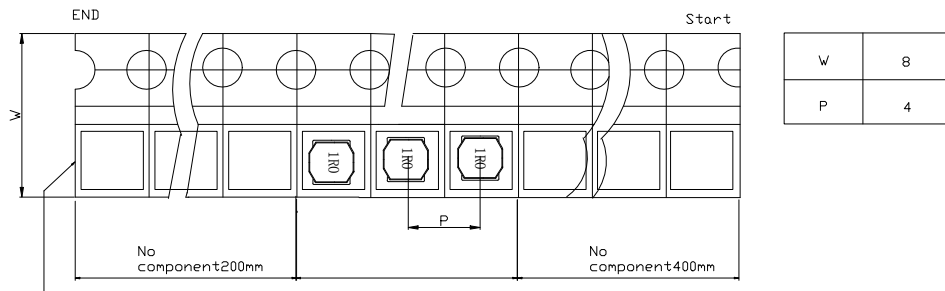


**TEST DATA FOR PREPRODUCTION SAMPLE**

TEST RESOLUTION					DIMENSION (Unit: mm)		
MEAS.					长	宽	高
ITEM	μH	mΩ					
SPEC.	1.0	85			3.0±0.2	3.0±0.2	1.5MAX
	±	max					
	20%						
TEST FREQ.	1MHz/1V		Isat 4.4A	$\Delta L/L \leq 30\%$	mm	mm	mm
1	0.99	50.3	0.94	8.74	3.01	3.00	1.38
2	1.00	49.0	0.94	12.15	3.02	3.00	1.40
3	0.99	49.0	0.97	7.62	3.00	3.03	1.41
4	0.92	48.3	0.92	7.07	3.00	3.02	1.40
5	1.02	49.1	0.89	5.32	3.02	3.01	1.40
6							
7							
8							
9							
10							
AVG.	<b>0.98</b>	<b>49.1</b>	<b>0.93</b>	<b>8.18</b>	3.01	3.01	1.40
R	<b>0.10</b>	<b>2.00</b>	<b>0.08</b>	<b>6.83</b>	0.02	0.03	0.03

PACKAGING

包装



Packaging Quantity: **2,000** PCS/REEL

Reel dimensions

UNIT : mm

