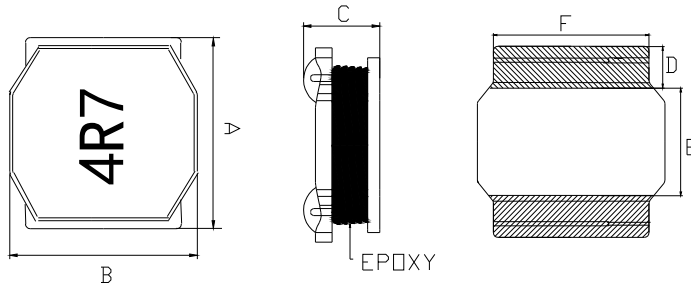
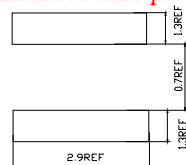
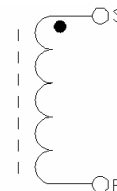


**SHAPE & DIMENSION (UNIT:mm)**

**PAD LAYOUT(MM):**
**Recommended land pattern**

**ELECTRICAL SCHEMATIC:**

**ELECTRICAL SPECIFICATION**

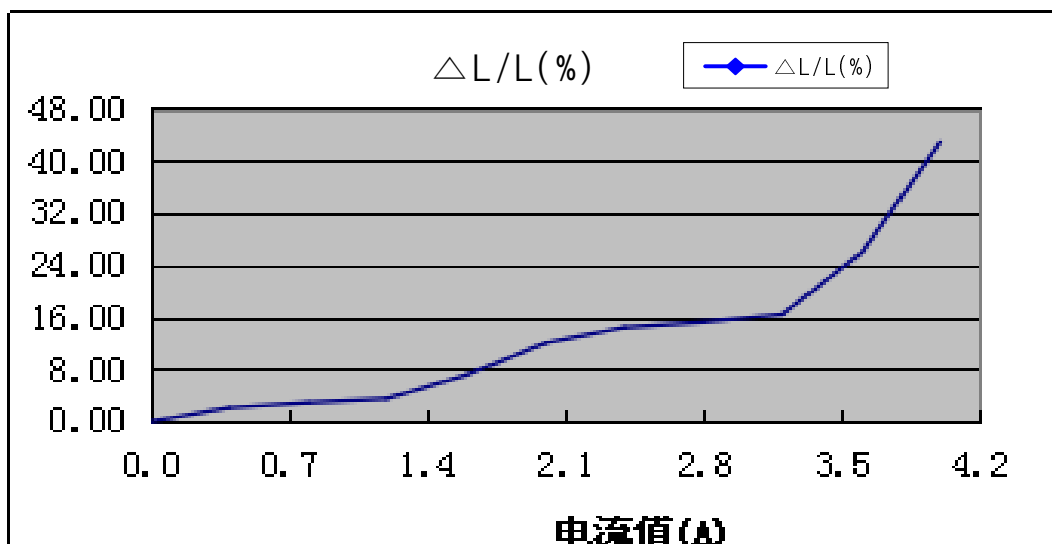
MEAS. ITEM	SPEC.				TEST FREQ.	CONDITIONS
<b>L</b>	<b>4.7</b>	<b>μH</b>	<b>±</b>	<b>20%</b>	<b>1MHz//1V</b>	<b>Ta=25°C, Idc=0A</b>
<b>DCR</b>	<b>260</b>	<b>mΩ</b>	<b>Max.</b>			<b>Ta=25°C</b>
<b>Isat</b>	<b>2.0</b>	<b>A</b>	<b>Max.</b>		<b>100KHz//1V</b>	<b>ΔL/L ≤ 30%</b>
<b>Irms</b>	<b>1.5</b>	<b>A</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 $\phi$ 0.11mm	
(2) WINDING: 17.5Ts (REF)	

Isat(飽和電流):電感瞬間的突波電流

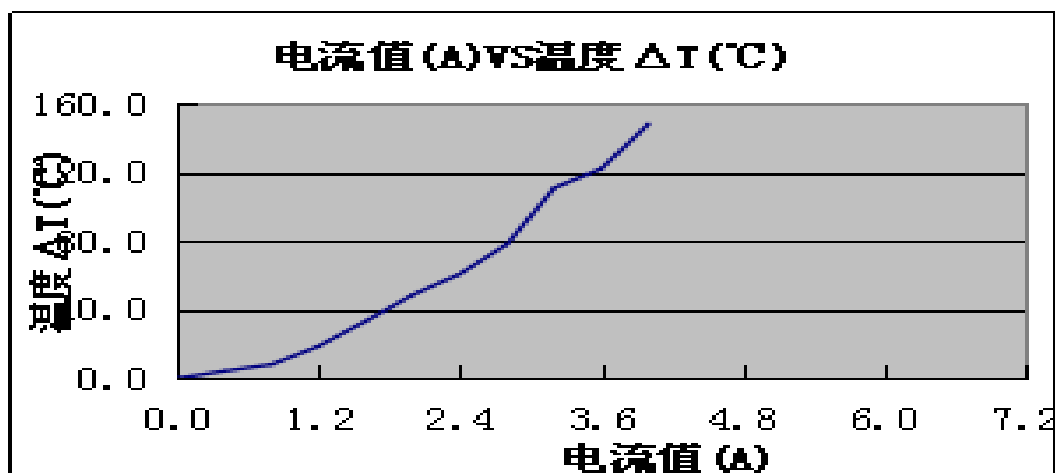
TME(秒)	Lsat(A)	L(UH)	$\Delta L/L(\%)$
1	0.0	5.01	0.00
1	0.4	4.90	2.19
1	0.8	4.86	2.99
1	1.2	4.83	3.59
1	1.6	4.65	7.18
1	2.0	4.40	12.10
1	2.4	4.28	14.50
1	2.8	4.24	15.30
1	3.2	4.18	16.50
1	3.6	3.71	25.90
1	4.0	2.86	42.90



**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	5.01	0.00	25.0	0.0
30	0.4	4.90	2.19	26.5	1.5
30	0.8	4.86	2.99	30.9	5.9
30	1.2	4.83	3.59	42.3	17.3
30	1.6	4.65	7.18	56.4	31.4
30	2.0	4.40	12.10	86.4	61.4
30	2.4	4.28	14.50		
30	2.8	4.24	15.30		
30	3.2	4.18	16.50		
30	3.6	3.71	25.90		
30	4.0	2.86	42.90		

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

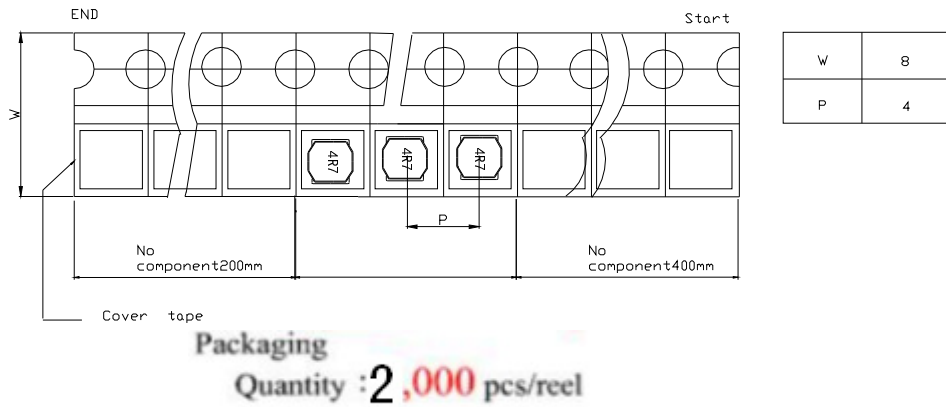


**TEST DATA FOR PREPRODUCTION SAMPLE**

TEST RESOLUTION					DIMENSION (Unit: mm)		
MEAS.							
ITEM	$\mu\text{H}$	$\text{m}\Omega$			长	宽	高
SPEC.	4.7	260			3.0±0.2	3.0±0.2	1.5MAX
	±	max					
	20%						
TEST FREQ.	1MHz/1V		Isat 2.0A	$\Delta L/L \leq 30\%$	mm	mm	mm
1	4.75	200	4.22	12.81	3.01	3.04	1.38
2	4.79	201	4.36	12.17	3.02	3.00	1.37
3	5.09	203	4.40	13.89	3.00	3.01	1.39
4	5.09	199	4.20	11.95	3.00	3.03	1.42
5	5.04	202	4.53	4.03	3.02	3.01	1.39
6							
7							
8							
9							
10							
AVG.	4.95	201	4.34	11.37	3.01	3.02	1.39
R	0.34	4.00	0.27	10.14	0.02	0.04	0.05

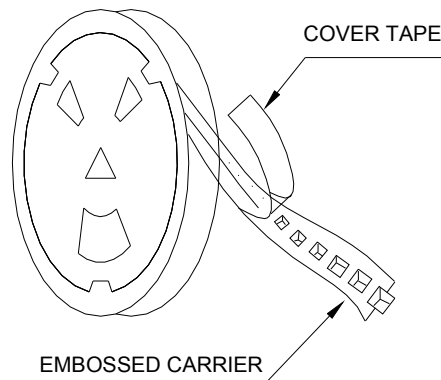
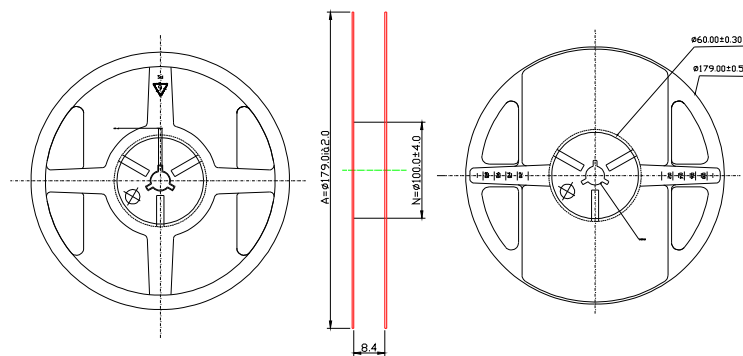
PACKAGING

包装



Reel dimensions

UNIT : mm



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