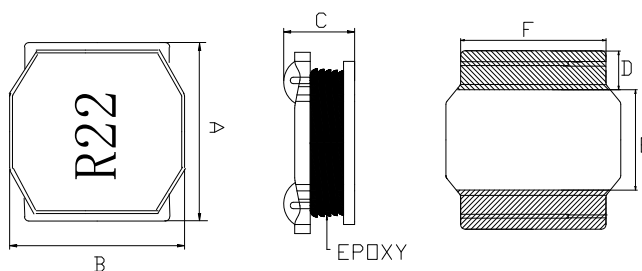
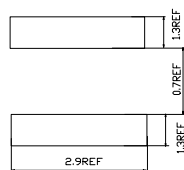
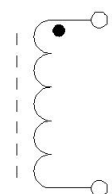


**SHAPE & DIMENSION (UNIT:mm)**

**PAD LAYOUT(MM):**

Recommended land pattern


**ELECTREICAL SCHEMATIC:**

**ELECTREICAL SPECIFICATION**

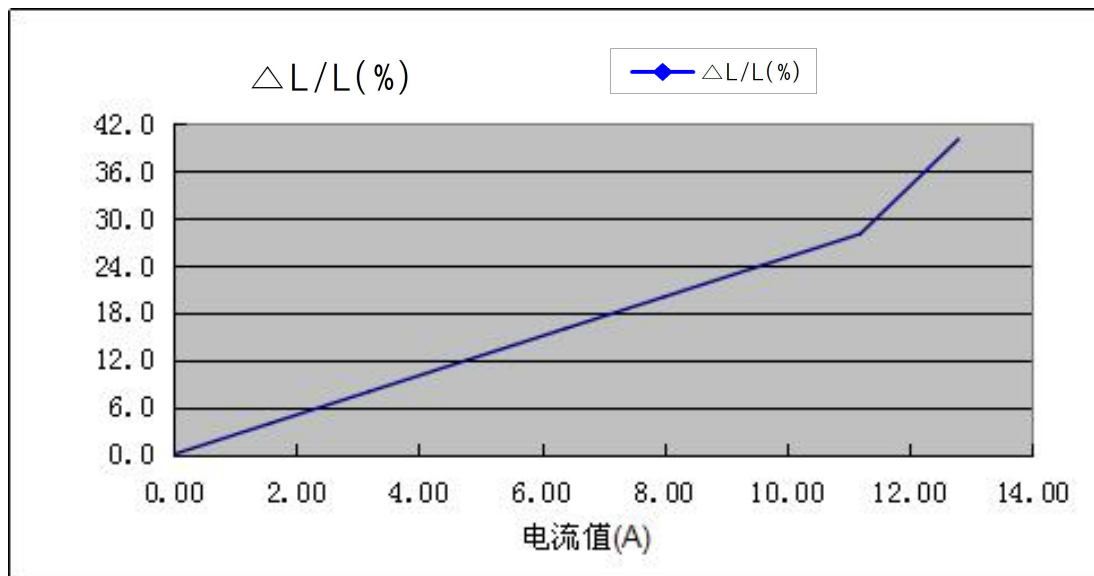
MEAS. ITEM	SPEC.				TEST FREQ.	CONDITIONS
<b>L</b>	<b>0.22</b>	<b>μH</b>	<b>±</b>	<b>20%</b>	<b>1MHz//1V</b>	<b>Ta=25°C, Idc=0A</b>
<b>DCR</b>	<b>45</b>	<b>mΩ</b>	<b>Max.</b>			<b>Ta=25°C</b>
<b>Isat</b>	<b>5.1</b>	<b>A</b>	<b>Max.</b>		<b>100KHz//1V</b>	<b>ΔL/L ≤ 35%</b>
<b>Irms</b>	<b>4.5</b>	<b>A</b>	<b>Max.</b>		<b>100KHz//1V</b>	<b>ΔT ≤ 40°C</b>

**GENERAL SPECIFICATION**

Electrical specifications :	<b>at 25°C</b>
Operation Temperature:	<b>-40~+125°C</b>
Storage Temperature:	<b>-40~+125°C</b>
(1)WIRE TYPE: <b>H ∅ 0.15mm</b>	
(2)WINDING: <b>3.5Ts(REF)</b>	

**Isat(飽和電流):電感瞬間的突波電流**

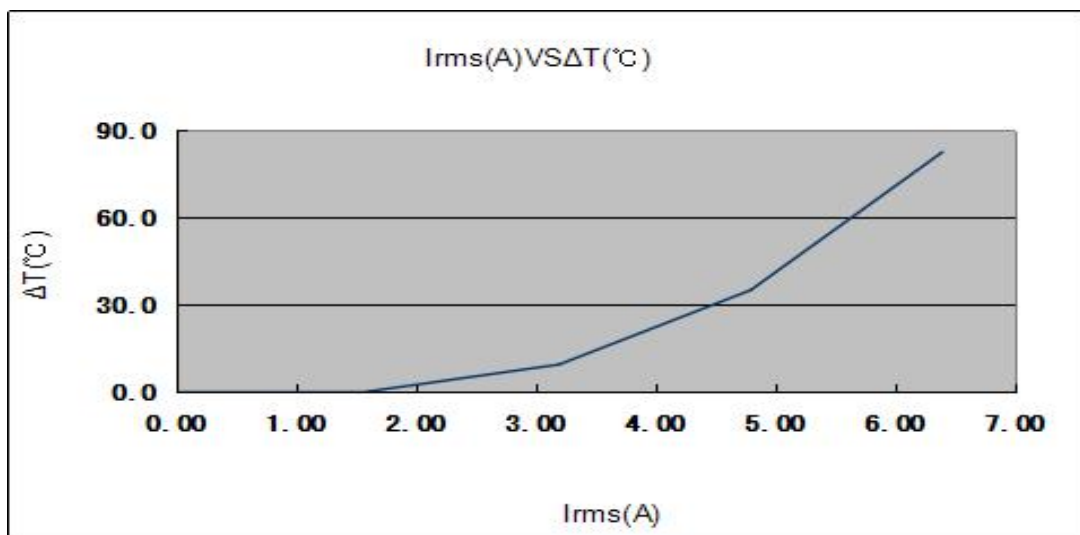
TME(秒)	Lsat(A)	L(UH)	$\Delta L/L(\%)$
1	0.0	0.25	0.00
1	1.3	0.24	4.00
1	3.2	0.23	8.00
1	4.8	0.22	12.0
1	6.4	0.21	16.0
1	8.0	0.20	20.0
1	9.6	0.19	24.0
1	11.2	0.18	28.0
1	12.8	0.15	40.0



**單點溫昇**

TIME(S)	I <sub>rms</sub> (A)	L(uH)	ΔL/L(%)	Temp(°C)	ΔT(°C)
0	0.0	0.25	0.00	27.2	0.0
30	1.3	0.24	4.00	27.4	0.2
30	3.2	0.23	8.00	36.7	9.2
30	4.8	0.22	12.0	62.3	35.1
30	6.4	0.21	16.0	109.8	82.6
30	8.0	0.20	20.0		
30	9.6	0.19	24.0		
30	11.2	0.18	28.0		
30	12.8	0.15	40.0		

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

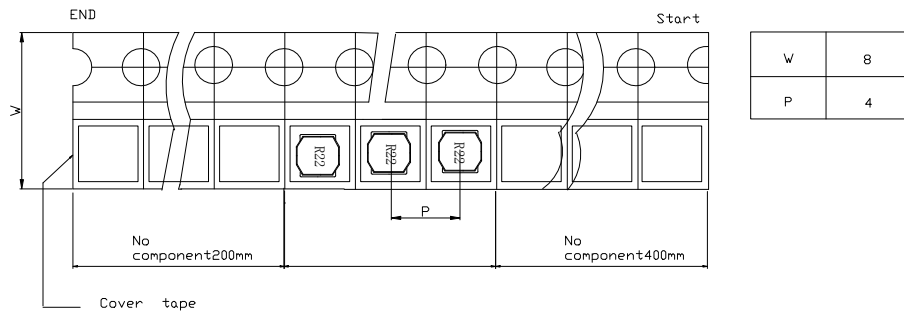


**TEST DATA FOR PREPRODUCTION SAMPLE**

TEST RESOLUTION					DIMENSION (Unit: mm)		
MEAS.							
ITEM	$\mu\text{H}$	$\text{m}\Omega$			长	宽	高
SPEC.	0.22	45			3.0±0.2	3.0±0.2	1.5MAX
	±	max					
	20%						
TEST FREQ.	1MHz/1V		Isat 5.1A	$\Delta L/L \leq 35\%$	mm	mm	mm
<b>1</b>	0.22	25.2	0.21	4.54	2.98	2.99	1.46
<b>2</b>	0.23	25.7	0.19	5.00	2.99	2.99	1.46
<b>3</b>	0.22	24.7	0.19	5.00	2.97	3.00	1.39
<b>4</b>	0.22	26.4	0.20	4.76	2.97	2.99	1.44
<b>5</b>	0.23	25.3	0.20	4.76	2.99	3.00	1.43
<b>6</b>	0.22	25.6	0.19	5.00	2.99	3.01	1.40
<b>7</b>	0.22	24.8	0.19	5.00	3.01	3.00	1.40
<b>8</b>	0.23	24.7	0.20	4.76	3.00	2.99	1.44
<b>9</b>	0.22	26.6	0.20	4.76	3.00	3.00	1.43
<b>10</b>	0.22	26.1	0.20	4.76	3.00	3.00	1.43
<b>AVG.</b>	<b>0.22</b>	<b>25.5</b>	<b>0.19</b>	<b>4.83</b>	<b>2.99</b>	<b>2.99</b>	<b>1.42</b>
<b>R</b>	<b>0.01</b>	<b>1.90</b>	<b>0.02</b>	<b>0.46</b>	<b>0.04</b>	<b>0.02</b>	<b>0.07</b>

**PACKAGING**

包装



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

Reel dimensions

UNIT:mm

